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PREFACE

The 1983 Reservoir Annual has been compiled to consolidate pertinent information on all oil and gas reservoirs in Saskatchewan into a convenient reference manual. The main sections of the report contain oil and gas reserve data, development and producing data and information concerning enhanced recovery projects. The remaining sections present related reservoir information.

Publication of the Reservoir Annual commenced in 1963 and has since undergone a number of changes to improve the presentation and to increase the amount of information that is useful to both industry and government.

I would like to acknowledge the assistance of the oil and gas companies operating in Saskatchewan for submitting to the department much of the material that has been used in the preparation of this report.

Paul Schoenhals

Paul Schoenhals
Minister of Energy and Mines

TABLE OF CONTENTS

	SECTION
INTRODUCTION	A
POOL AND AREA MAPS Saskatchewan Oil and Gas Pools Production and Disposition Areas Pool Location Maps	B
RESERVOIR DATA RESERVES AND PRODUCTION - OIL Five Year Oil Summary Area I - Heavy Area II - Heavy Area II - Light Area III - Medium Area IV - Medium Area IV - Light	C
RESERVOIR DATA RESERVES AND PRODUCTION - GAS Five Year Gas Summary Non-Associated Gas Associated Gas Dissolved Gas	D
OIL AND GAS UNITS AND ENHANCED RECOVERY PROJECTS Oil and Gas Units Non-Unit Projects	E
DEVELOPMENT AND PRODUCING DATA Oil Pools Gas Pools Spacing Areas	F
TYPICAL WELL LOGS OF PRODUCING ZONES	G
POOL PRESSURE DATA Oil Pools Gas Pools	H
MPR FACTORS	I
GAS PLANT PERFORMANCE GRAPHS	J
FORMATION WATER RESISTIVITY	K

INTRODUCTION

INTRODUCTION

The 1983 Reservoir Annual is published by Saskatchewan Energy and Mines to provide current statistical information with regard to performance and reservoir parameters of Saskatchewan oil and gas pools. The 1983 edition is subdivided into eleven sections, each dealing with a specific type or aspect of reservoir data. Section B, immediately following this section, presents maps showing oil and gas pools, production and disposition areas, well spacing areas and other related information. Of considerable importance are sections C and D, which provide reservoir data and reserves for all provincial oil and gas pools. Section E contains a listing of oil and gas units and enhanced recovery projects and provides such information as project operator, producing zone, number of active wells and injection data such as pattern, commencement date and injection rates. The section titled 'Development and Producing Data' presents information such as well spacing, depletion mechanism, capable and active wells and average production rates for Saskatchewan oil and gas pools. The remaining five sections include illustrations of typical producing well logs, pool pressure data, Maximum Permissive Rate factors, gas plant performance plots and formation water resistivity measurements. All reserve, production, pool boundary and well spacing information contained in this publication is as of December 31, 1983, unless otherwise noted.

The reserve values contained in the Reservoir Annual are "established reserves" as adopted from the recommendations of the

Joint Industry/Government Task Force on Uniform Reserves Terminology. Established reserves are defined as those reserves recoverable under current technology and present and anticipated economic conditions, specifically proved by drilling, testing or production, plus that judgement portion of contiguous recoverable reserves that are interpreted to exist from geological, geophysical or similar information, with reasonable certainty.

Provincial oil production in 1983 was over 9.5 million cubic metres, an increase of 1.4 million cubic metres over 1982 production. This increase can be attributed to the increased number of well completions and the absence of any severe marketing problems. Initial oil reserves increased by 13.4 million cubic metres in 1983 with almost all of this increase attributable to drilling during the year. Drilling activity was more than double that in 1982 with a record number of 1843 wells drilled in the province (the previous record was established in 1980). The majority of this activity was in Area II (Kindersley) and Area IV (Weyburn-Estevan) but there was also significant amounts of activity in the other areas. The year 1983 was one of the few years since 1966 when the province has recorded a net increase in remaining reserves. The increase in oil reserves exceeded production by 3.9 million cubic metres resulting in 102 million cubic metres of remaining established reserves at year end. Table I provides a more detailed look at changes in oil reserves for the year. It should be noted that the large revision for Area I was in part a result of a better definition of established reserves.

Natural gas production in 1983 was 1.22 billion cubic metres, down slightly from the 1.25 billion cubic metres produced in 1982. Gas well drilling during 1983 increased significantly resulting in several new pool discoveries and additions to existing pools. Initial reserves of gas were increased by 6.56 billion cubic metres in 1983, resulting in a net increase of 5.33 billion cubic metres in remaining reserves to a year-end value of 48.47 billion cubic metres.

The objective of this publication is to provide subscribers in the oil and gas industry with reliable and pertinent information on provincial oil and gas resources and any suggestions or comments on improvements in this regard would be welcomed by Saskatchewan Energy and Mines.

TABLE I

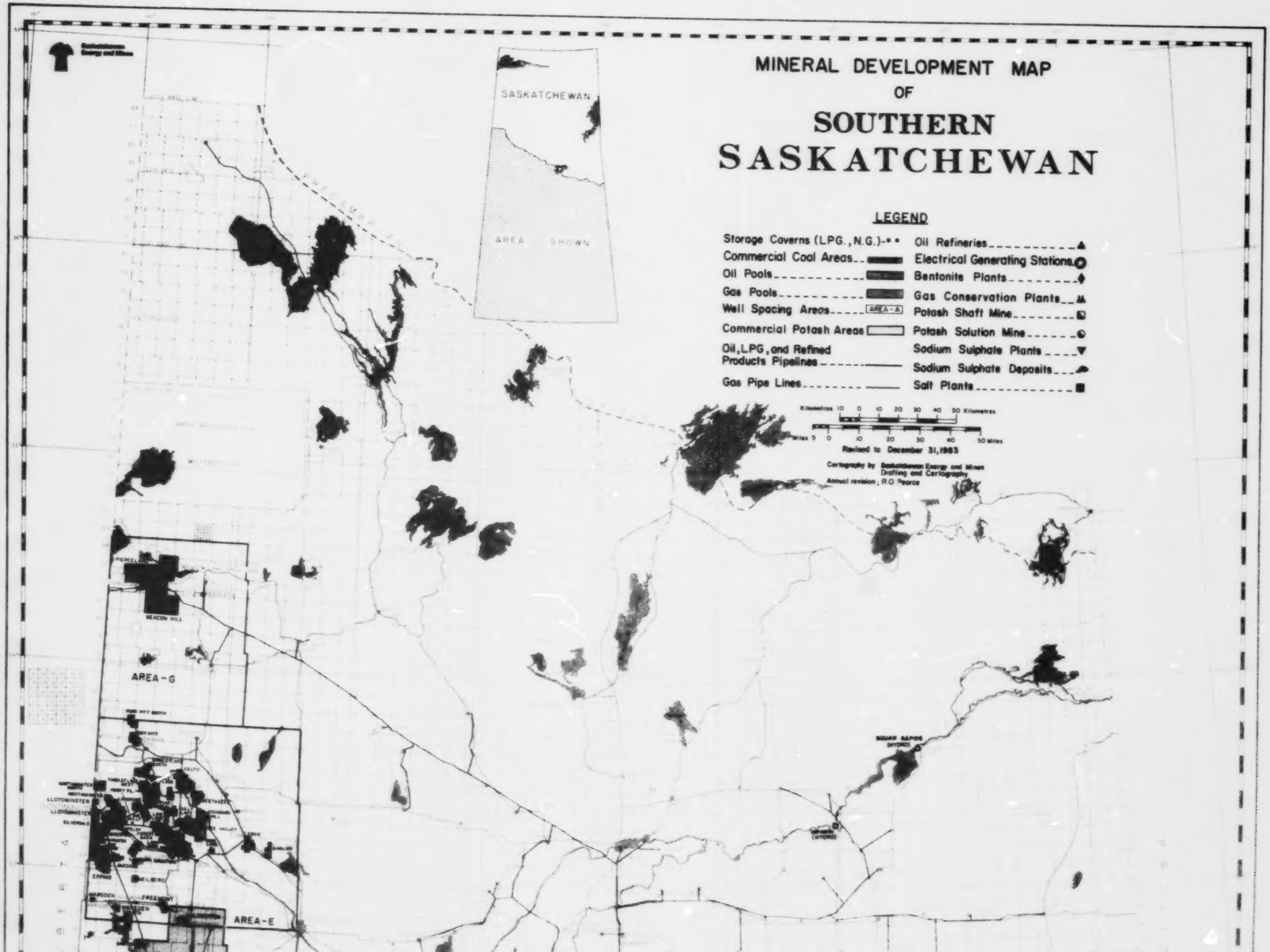
REMAINING OIL RESERVES IN SASKATCHEWAN

(Million Cubic Metres)

	Remaining Established Reserves (Dec. 31/82)	1983 Additions to Reserves			1983 Production	Net Change in Reserves During 1983	Remaining Established Reserves (Dec. 31/83)
		Revisions	Drilling	Total			
Area I - Heavy	23.233	+2.262	+3.013	+5.275	2.479	+2.796	26.029
Area II - Heavy	6.765	-0.297	+1.082	+0.785	0.730	+0.055	6.820
Area II - Light	5.757	-0.768	+2.558	+1.790	0.670	+1.120	6.877
Area III - Medium	16.292	-0.054	+0.725	+0.671	1.622	-0.951	15.341
Area IV - Medium	24.990	-0.213	+2.072	+1.859	1.704	+0.155	25.145
Area IV - Light	21.226	+0.791	+2.220	+3.011	2.331	+0.680	21.906
PROVINCIAL TOTAL	98.263	+1.721	+11.670	+13.391	9.536	+3.855	102.118

POOL AND AREA

MAPS

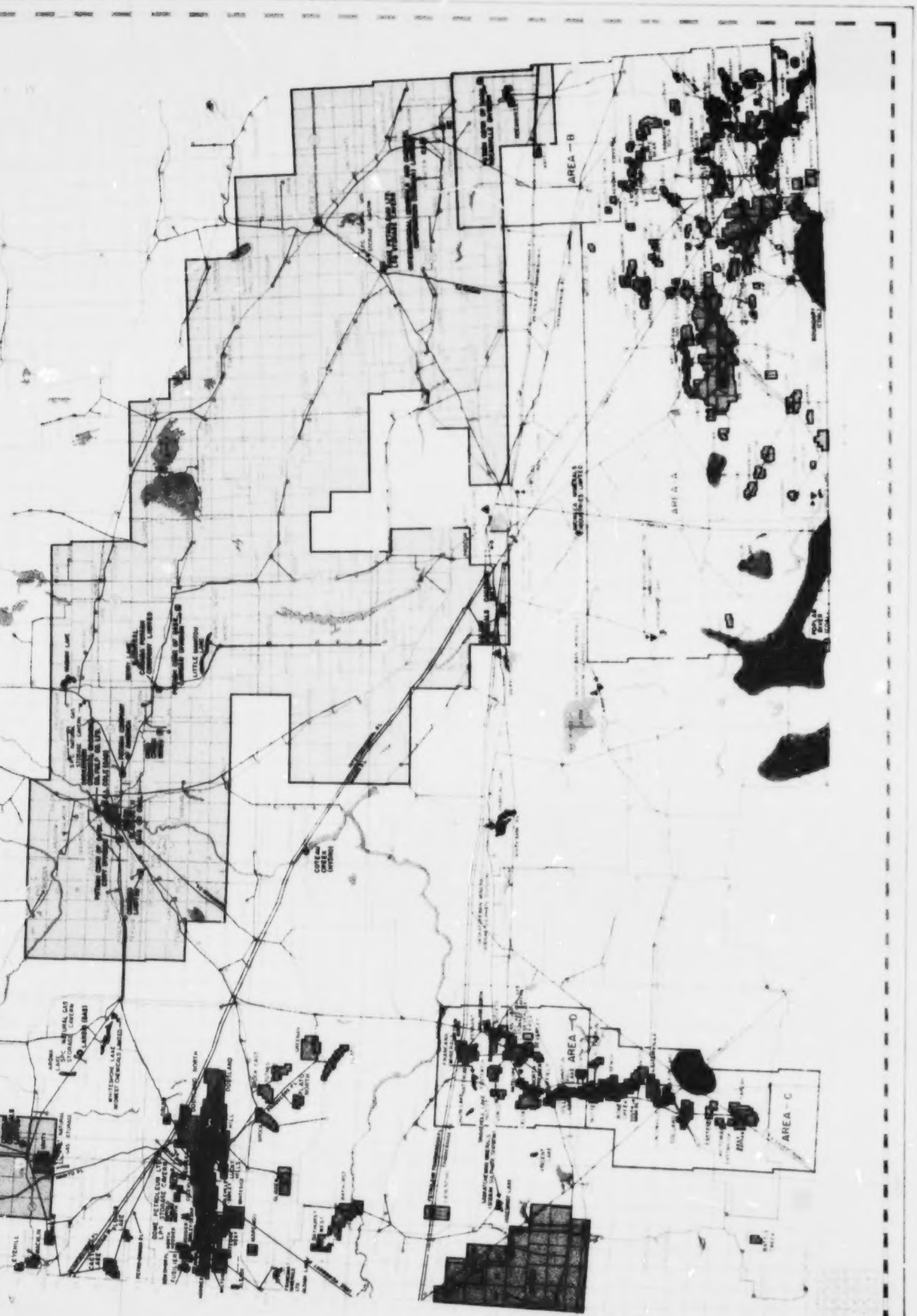


MINERAL DEVELOPMENT MAP
OF
SOUTHERN SASKATCHEWAN

Revised to December 31,1983

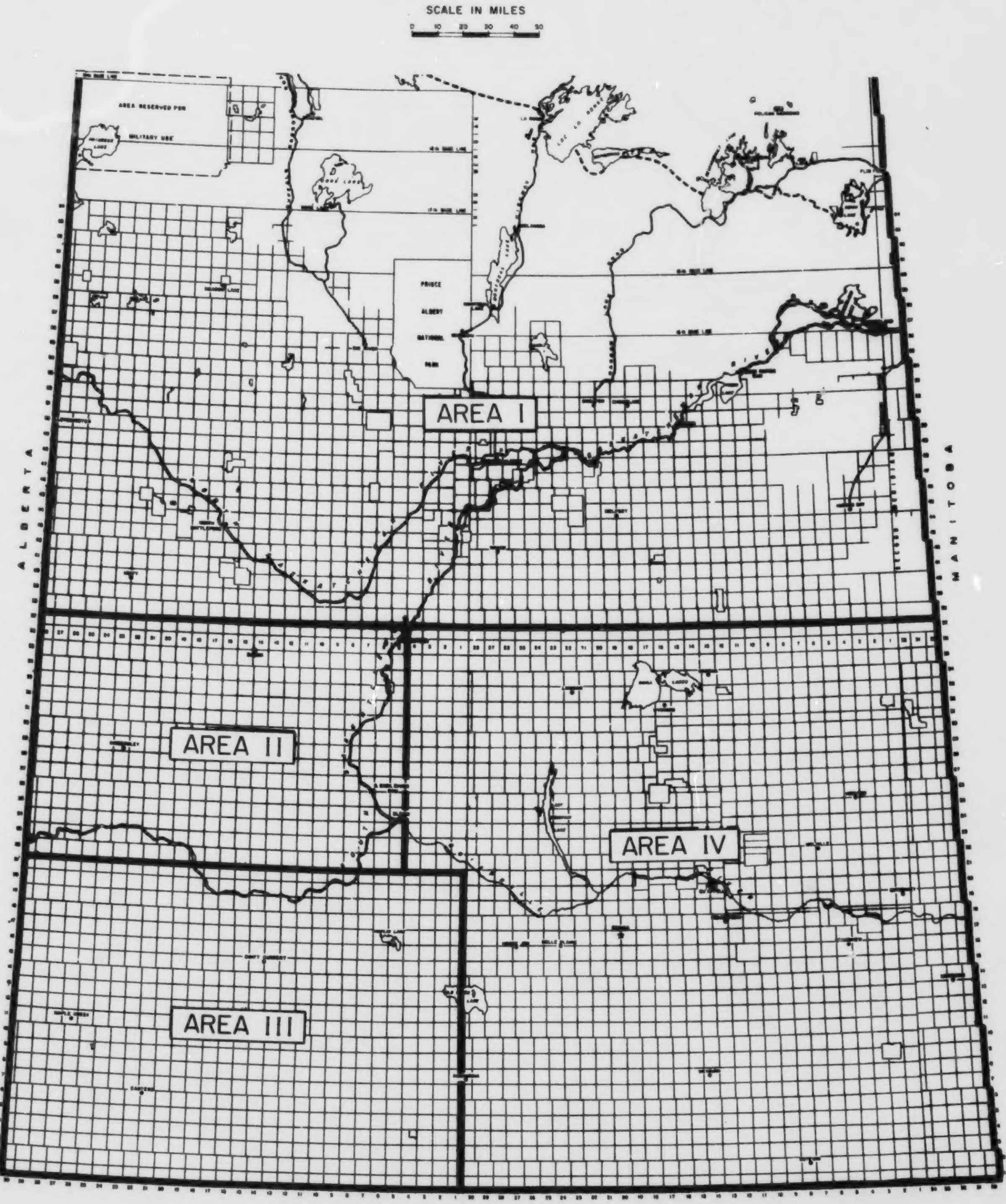
Cartography by Saskatchewan Energy and Mines Drafting and Cartography
Annual revision; R.O. Pearce

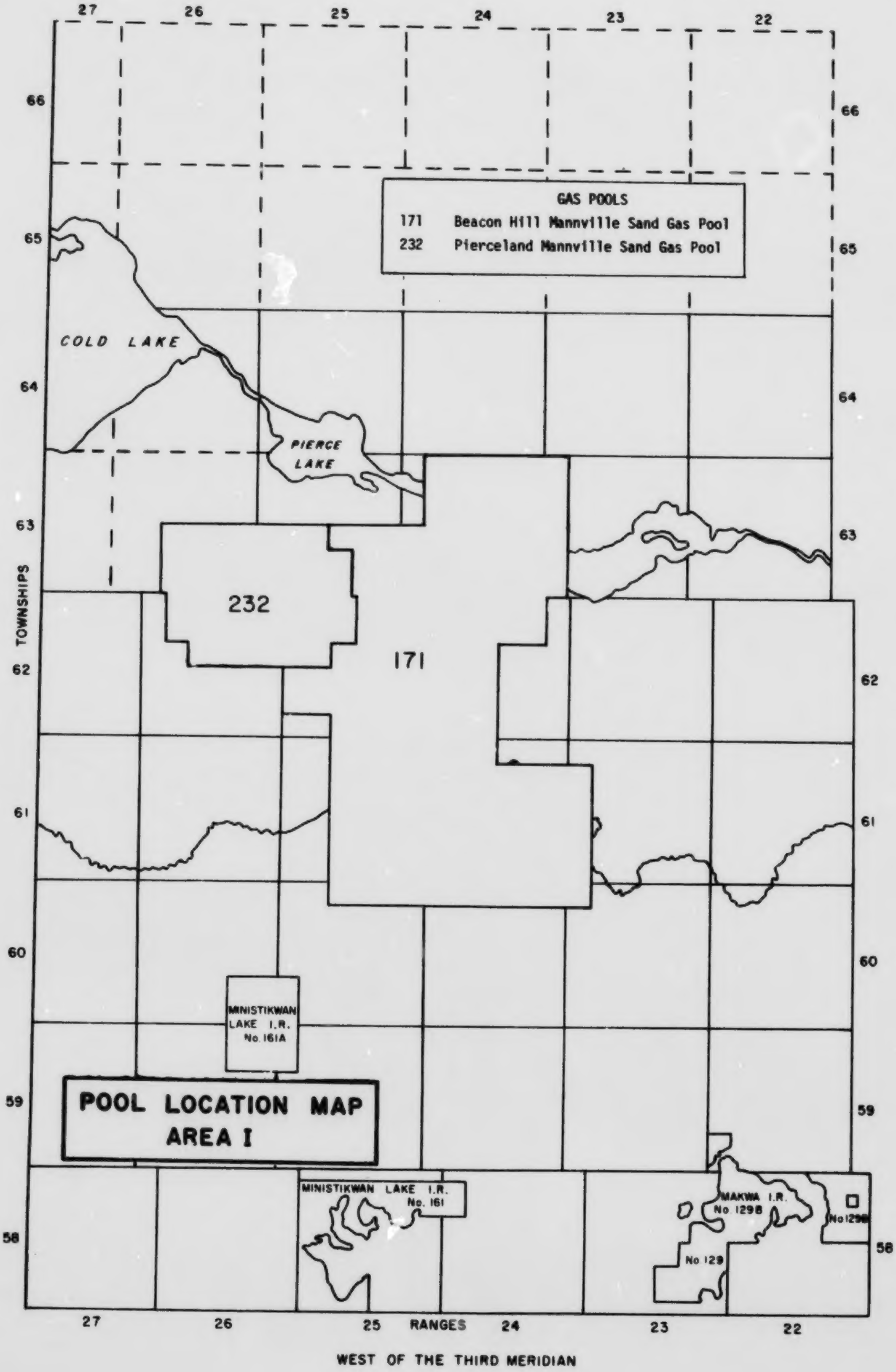
Saskatchewan Energy and Mines
LEGEND
Storage Caverns (L.P.G., N.G.) ● ●
Commercial Coal Areas
Oil Pools
Gas Pools
Well Spacing Areas AREA-A
Commercial Potash Areas
Oil, LPG, and Refined Products Pipelines
Gas Pipe Lines
Oil Refineries ▲
Electrical Generating Stations ○
Bentonite Plants ◆
Gas Conservation Plants
Potash Shaft Mine
Potash Solution Mine
Sodium Sulphate Plants ▼
Sodium Sulphate Deposits
Salt Plants ■
Kilometres 10 0 10 20 30 40 50 Kilometres
Miles 5 0 10 20 30 40 50 Miles
SASKATCHEWAN
AREA SHOWN
PRECAMBRIAN
BEACON HILL
AREA-G
AREA-E
CELTIC
LLOYDMINSTER
SILVERDALE
EPPING
MARSDEN
FREEMONT
SQUAW RAPIDS (HYDRO)



AREA—A
AREA—B
AREA—C
AREA—D
DOME PETROLEUM LTD. STORAGE CAVERN
LITTLE SMOKY LAKE

SASKATCHEWAN
PETROLEUM AND NATURAL GAS
PRODUCTION AND DISPOSITION AREAS


SCALE IN MILES
0 10 20 30 40 50
AREA RESERVED FOR MILITARY USE
PRINCE ALBERT NATIONAL PARK
AREA I
AREA II
AREA III
AREA IV
ALBERTA
MANITOBA
UNITED STATES OF AMERICA


POOL LOCATION MAP
AREA I
GAS POOLS
171 Beacon Hill Mannville Sand Gas Pool
232 Pierceland Mannville Sand Gas Pool
232
171
COLD LAKE
PIERCE LAKE
MINISTIKWAN LAKE I.R. No. 161A
MINISTIKWAN LAKE I.R. No. 161
MAKWA I.R. No 129B
No 129
No129B
TOWNSHIPS
66
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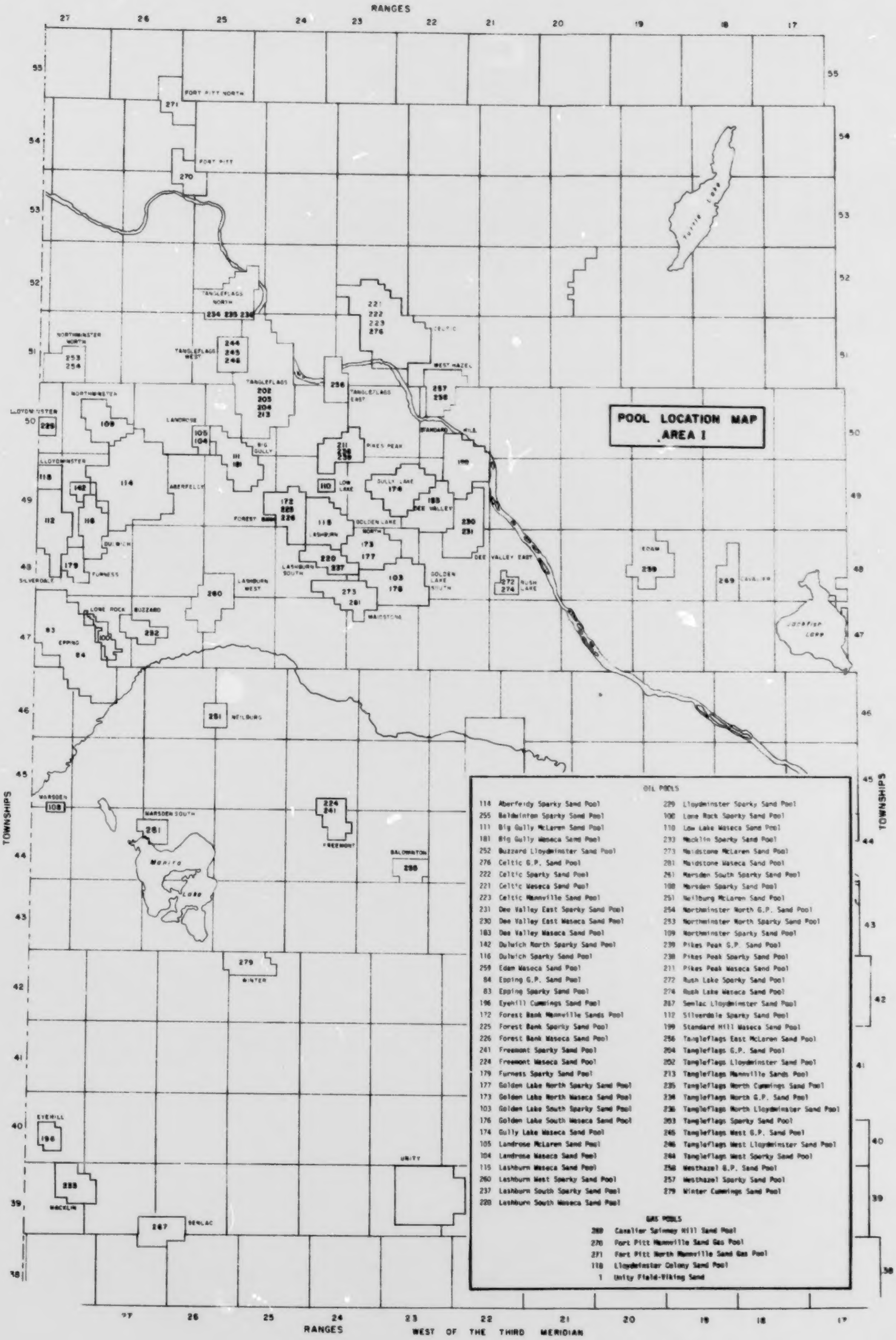
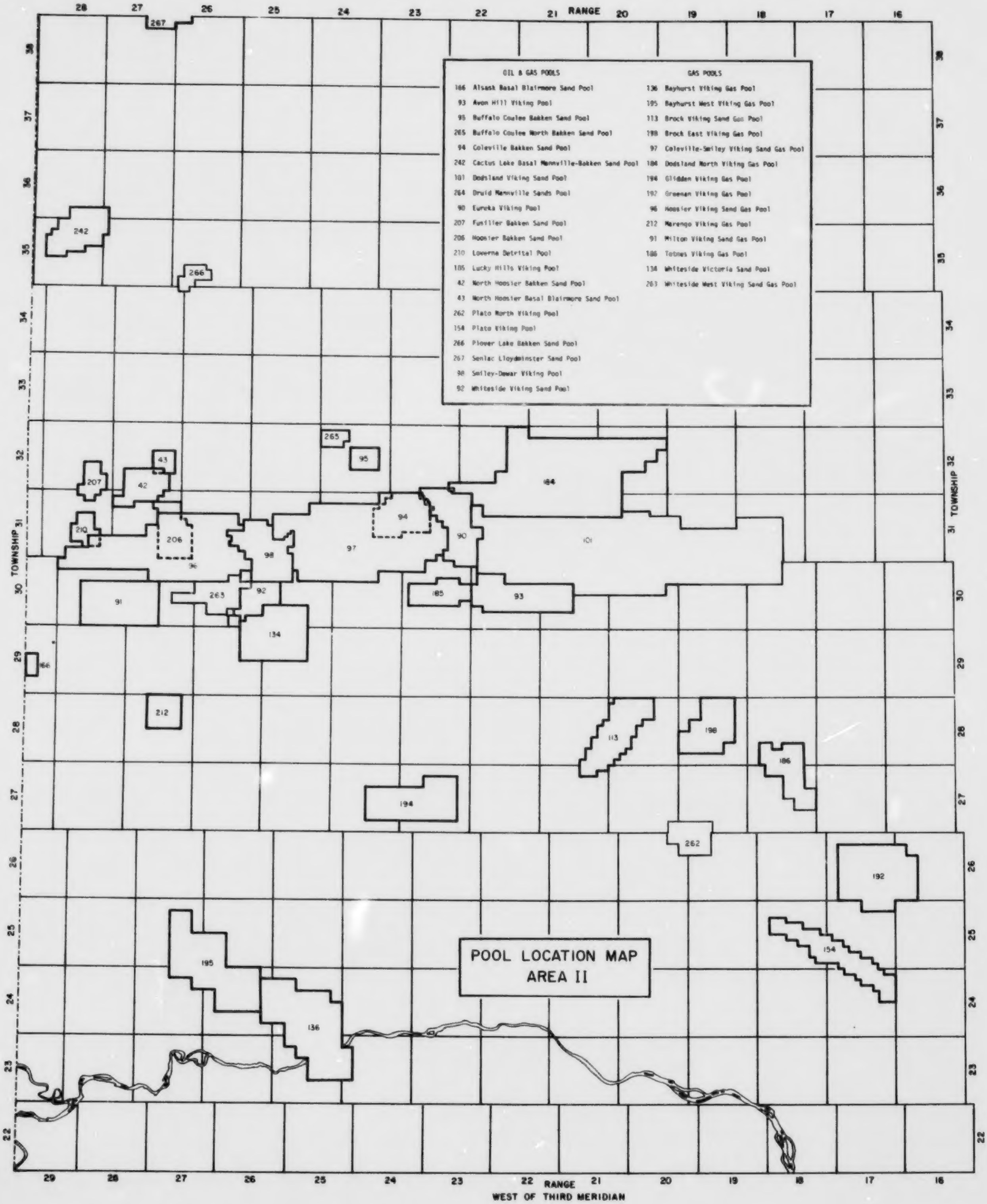
RANGES
WEST OF THE THIRD MERIDIAN


POOL LOCATION MAP
AREA I
RANGES
WEST OF THE THIRD MERIDIAN
TOWNSHIPS
OIL POOLS
114 Aberfeldy Sparky Sand Pool
255 Baldwinton Sparky Sand Pool
111 Big Gully McLaren Sand Pool
181 Big Gully Waseca Sand Pool
252 Buzzard Lloydminster Sand Pool
276 Celtic G.P. Sand Pool
222 Celtic Sparky Sand Pool
221 Celtic Waseca Sand Pool
223 Celtic Mannville Sand Pool
231 Dee Valley East Sparky Sand Pool
230 Dee Valley East Waseca Sand Pool
183 Dee Valley Waseca Sand Pool
142 Dulwich North Sparky Sand Pool
116 Dulwich Sparky Sand Pool
259 Edam Waseca Sand Pool
84 Epping G.P. Sand Pool
83 Epping Sparky Sand Pool
196 Eyehill Cummings Sand Pool
172 Forest Bank Mannville Sands Pool
225 Forest Bank Sparky Sand Pool
226 Forest Bank Waseca Sand Pool
241 Freemont Sparky Sand Pool
224 Freemont Waseca Sand Pool
179 Furness Sparky Sand Pool
177 Golden Lake North Sparky Sand Pool
173 Golden Lake North Waseca Sand Pool
103 Golden Lake South Sparky Sand Pool
176 Golden Lake South Waseca Sand Pool
174 Gully Lake Waseca Sand Pool
105 Landrose McLaren Sand Pool
104 Landrose Waseca Sand Pool
115 Lashburn Waseca Sand Pool
260 Lashburn West Sparky Sand Pool
237 Lashburn South Sparky Sand Pool
220 Lashburn South Waseca Sand Pool
229 Lloydminster Sparky Sand Pool
100 Lone Rock Sparky Sand Pool
110 Low Lake Waseca Sand Pool
233 Macklin Sparky Sand Pool
273 Maidstone McLaren Sand Pool
281 Maidstone Waseca Sand Pool
261 Marsden South Sparky Sand Pool
108 Marsden Sparky Sand Pool
251 Neilburg McLaren Sand Pool
254 Northminster North G.P. Sand Pool
253 Northminster North Sparky Sand Pool
109 Northminster Sparky Sand Pool
239 Pikes Peak G.P. Sand Pool
238 Pikes Peak Sparky Sand Pool
211 Pikes Peak Waseca Sand Pool
272 Rush Lake Sparky Sand Pool
274 Rush Lake Waseca Sand Pool
267 Senlac Lloydminster Sand Pool
112 Silverdale Sparky Sand Pool
199 Standard Hill Waseca Sand Pool
256 Tangleflags East McLaren Sand Pool
204 Tangleflags G.P. Sand Pool
202 Tangleflags Lloydminster Sand Pool
213 Tangleflags Mannville Sands Pool
235 Tangleflags North Cummings Sand Pool
234 Tangleflags North G.P. Sand Pool
236 Tangleflags North Lloydminster Sand Pool
203 Tangleflags Sparky Sand Pool
245 Tangleflags West G.P. Sand Pool
246 Tangleflags West Lloydminster Sand Pool
244 Tangleflags West Sparky Sand Pool
258 Westhazel G.P. Sand Pool
257 Westhazel Sparky Sand Pool
279 Winter Cummings Sand Pool
GAS POOLS
269 Cavalier Spinney Hill Sand Pool
270 Fort Pitt Mannville Sand Gas Pool
271 Fort Pitt North Mannville Sand Gas Pool
118 Lloydminster Colony Sand Pool
1 Unity Field-Viking Sand
FORT PITT NORTH
FORT PITT
TANGLEFLAGS NORTH
TANGLEFLAGS WEST
TANGLEFLAGS
TANGLEFLAGS EAST
CELTIC
WEST HAZEL
NORTHMINSTER NORTH
NORTHMINSTER
LLOYDMINSTER
LANDROSE
BIG GULLY
PIKES PEAK
STANDARD HILL
LOW LAKE
GULLY LAKE
DEE VALLEY
ABERFELDY
DULWICH
FOREST BANK
LASHBURN
GOLDEN LAKE NORTH
DEE VALLEY EAST
EDAM
CAVALIER
SILVERDALE
FURNESS
LASHBURN SOUTH
LASHBURN WEST
GOLDEN LAKE SOUTH
RUSH LAKE
MAIDSTONE
LONE ROCK
BUZZARD
EPPING
NEILBURG
MARSDEN
MARSDEN SOUTH
FREEMONT
BALDWINTON
WINTER
EYEHILL
MACKLIN
SENLAC
UNITY
Turtle Lake
Jackfish Lake
Manito Lake


RANGE
28
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TOWNSHIP
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23
22
OIL & GAS POOLS
166 Alsask Basal Blairmore Sand Pool
93 Avon Hill Viking Pool
95 Buffalo Coulee Bakken Sand Pool
265 Buffalo Coulee North Bakken Sand Pool
94 Coleville Bakken Sand Pool
242 Cactus Lake Basal Mannville-Bakken Sand Pool
101 Dodsland Viking Sand Pool
264 Druid Mannville Sands Pool
90 Eureka Viking Pool
207 Fusilier Bakken Sand Pool
206 Hoosier Bakken Sand Pool
210 Loverna Detrital Pool
185 Lucky Hills Viking Pool
42 North Hoosier Bakken Sand Pool
43 North Hoosier Basal Blairmore Sand Pool
262 Plato North Viking Pool
154 Plato Viking Pool
266 Plover Lake Bakken Sand Pool
267 Senlac Lloydminster Sand Pool
98 Smiley-Dewar Viking Pool
92 Whiteside Viking Sand Pool
GAS POOLS
136 Bayhurst Viking Gas Pool
195 Bayhurst West Viking Gas Pool
113 Brock Viking Sand Gas Pool
198 Brock East Viking Gas Pool
97 Coleville-Smiley Viking Sand Gas Pool
184 Dodsland North Viking Gas Pool
194 Glidden Viking Gas Pool
192 Greenan Viking Gas Pool
96 Hoosier Viking Sand Gas Pool
212 Marengo Viking Gas Pool
91 Milton Viking Sand Gas Pool
186 Totnes Viking Gas Pool
134 Whiteside Victoria Sand Pool
263 Whiteside West Viking Sand Gas Pool
267
242
266
265
95
43
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210
206
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101
98
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263
92
185
93
91
134
166
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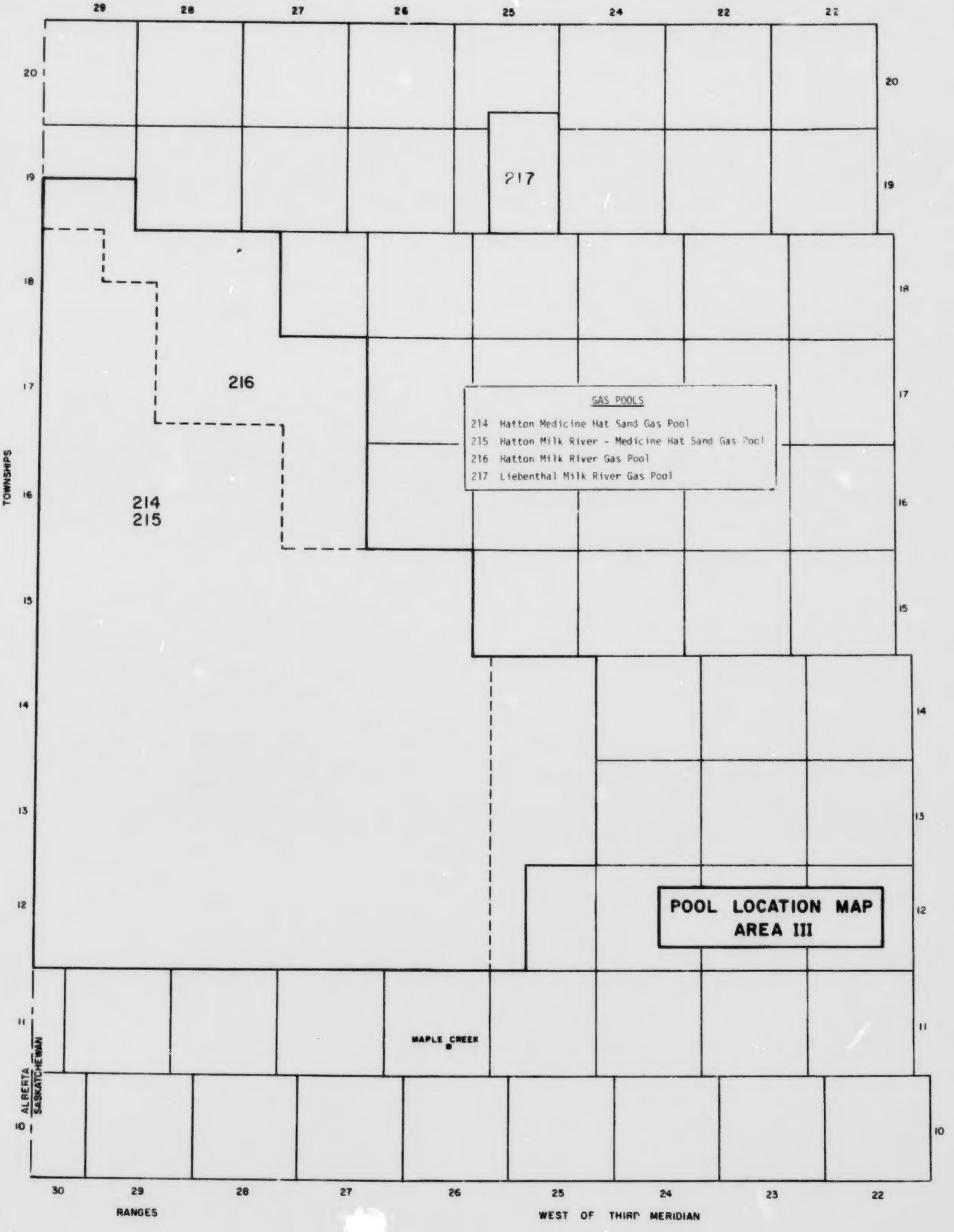
29
RANGE
WEST OF THIRD MERIDIAN

POOL LOCATION MAP
AREA II



POOL LOCATION MAP
AREA III
GAS POOLS
214 Hatton Medicine Hat Sand Gas Pool
215 Hatton Milk River - Medicine Hat Sand Gas Pool
216 Hatton Milk River Gas Pool
217 Liebenthal Milk River Gas Pool
214
215
216
217
MAPLE CREEK
ALBERTA
SASKATCHEWAN
TOWNSHIPS
RANGES
WEST OF THIRD MERIDIAN
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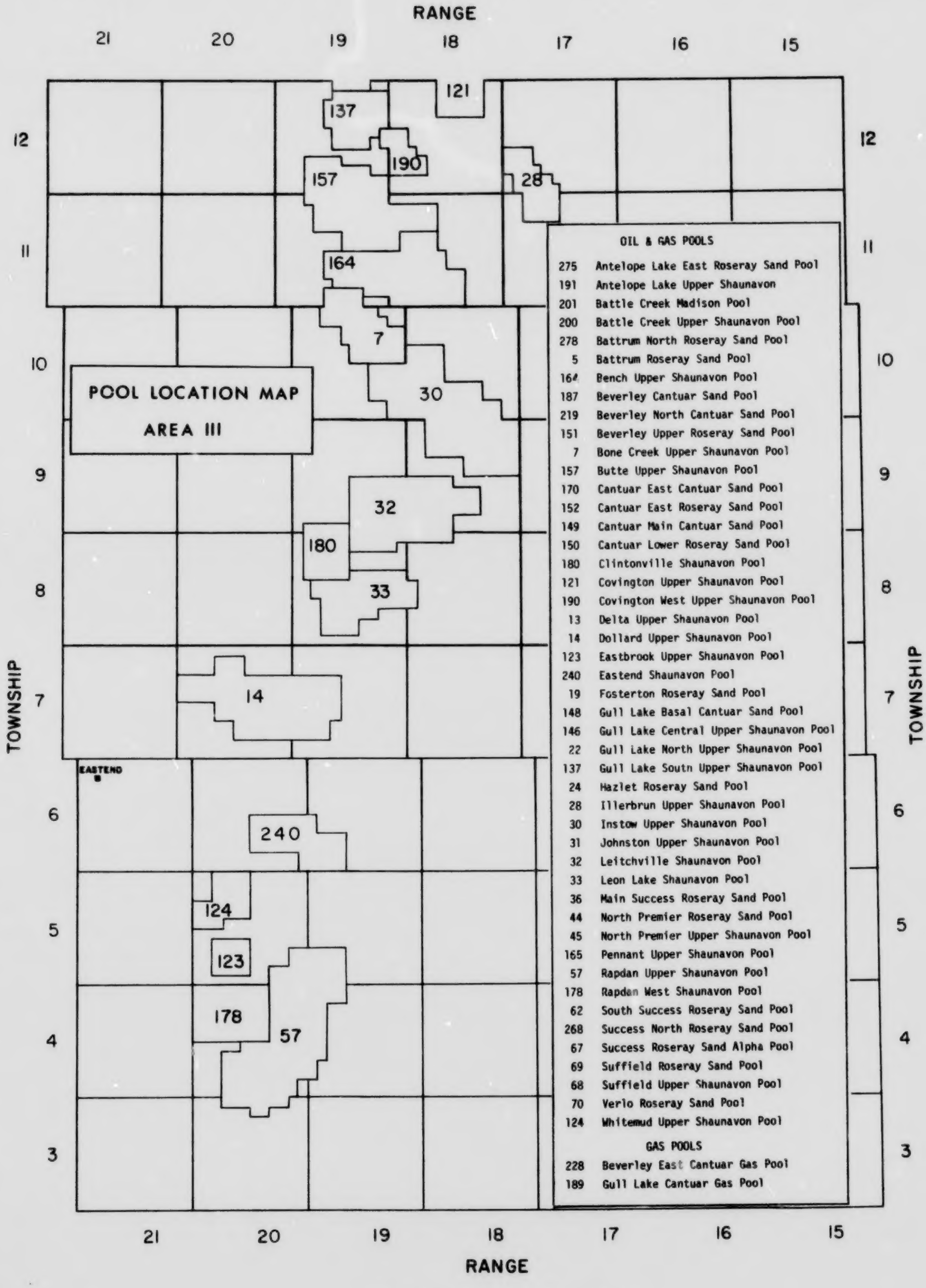
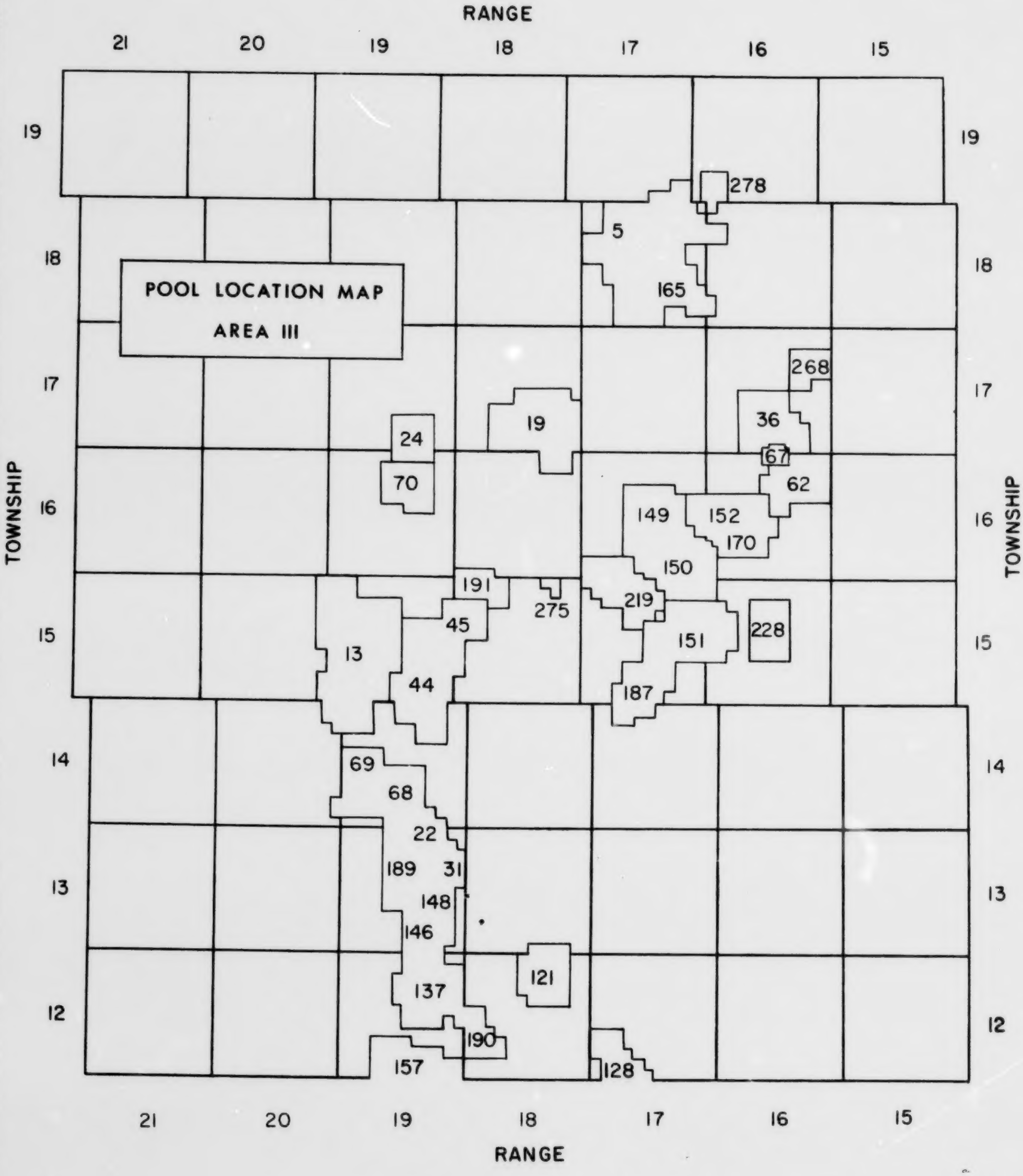


POOL LOCATION MAP

AREA III

OIL & GAS POOLS	
275	Antelope Lake East Roseray Sand Pool
191	Antelope Lake Upper Shaunavon
201	Battle Creek Madison Pool
200	Battle Creek Upper Shaunavon Pool
278	Battrum North Roseray Sand Pool
5	Battrum Roseray Sand Pool
164	Bench Upper Shaunavon Pool
187	Beverley Cantuar Sand Pool
219	Beverley North Cantuar Sand Pool
151	Beverley Upper Roseray Sand Pool
7	Bone Creek Upper Shaunavon Pool
157	Butte Upper Shaunavon Pool
170	Cantuar East Cantuar Sand Pool
152	Cantuar East Roseray Sand Pool
149	Cantuar Main Cantuar Sand Pool
150	Cantuar Lower Roseray Sand Pool
180	Clintonville Shaunavon Pool
121	Covington Upper Shaunavon Pool
190	Covington West Upper Shaunavon Pool
13	Delta Upper Shaunavon Pool
14	Dollard Upper Shaunavon Pool
123	Eastbrook Upper Shaunavon Pool
240	Eastend Shaunavon Pool
19	Fosterton Roseray Sand Pool
148	Gull Lake Basal Cantuar Sand Pool
146	Gull Lake Central Upper Shaunavon Pool
22	Gull Lake North Upper Shaunavon Pool
137	Gull Lake Soutn Upper Shaunavon Pool
24	Hazlet Roseray Sand Pool
28	Illerbrun Upper Shaunavon Pool
30	Instow Upper Shaunavon Pool
31	Johnston Upper Shaunavon Pool
32	Leitchville Shaunavon Pool
33	Leon Lake Shaunavon Pool
36	Main Success Roseray Sand Pool
44	North Premier Roseray Sand Pool
45	North Premier Upper Shaunavon Pool
165	Pennant Upper Shaunavon Pool
57	Rapdan Upper Shaunavon Pool
178	Rapdan West Shaunavon Pool
62	South Success Roseray Sand Pool
268	Success North Roseray Sand Pool
67	Success Roseray Sand Alpha Pool
69	Suffield Roseray Sand Pool
68	Suffield Upper Shaunavon Pool
70	Verlo Roseray Sand Pool
124	Whitemud Upper Shaunavon Pool
GAS POOLS	
228	Beverley East Cantuar Gas Pool
189	Gull Lake Cantuar Gas Pool

WEST OF THIRD MERIDIAN


RANGE
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POOL LOCATION MAP
AREA III
TOWNSHIP
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278
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268
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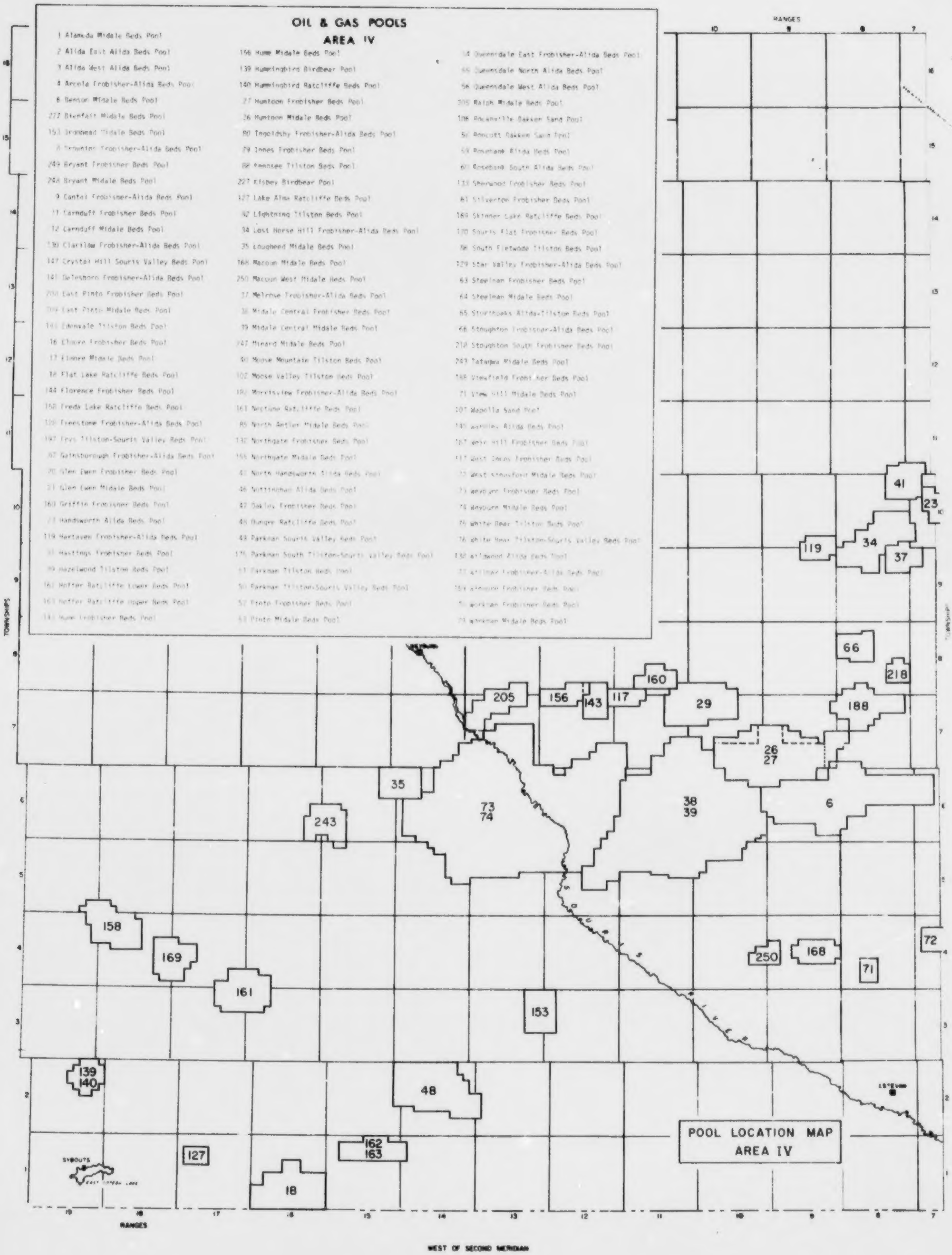
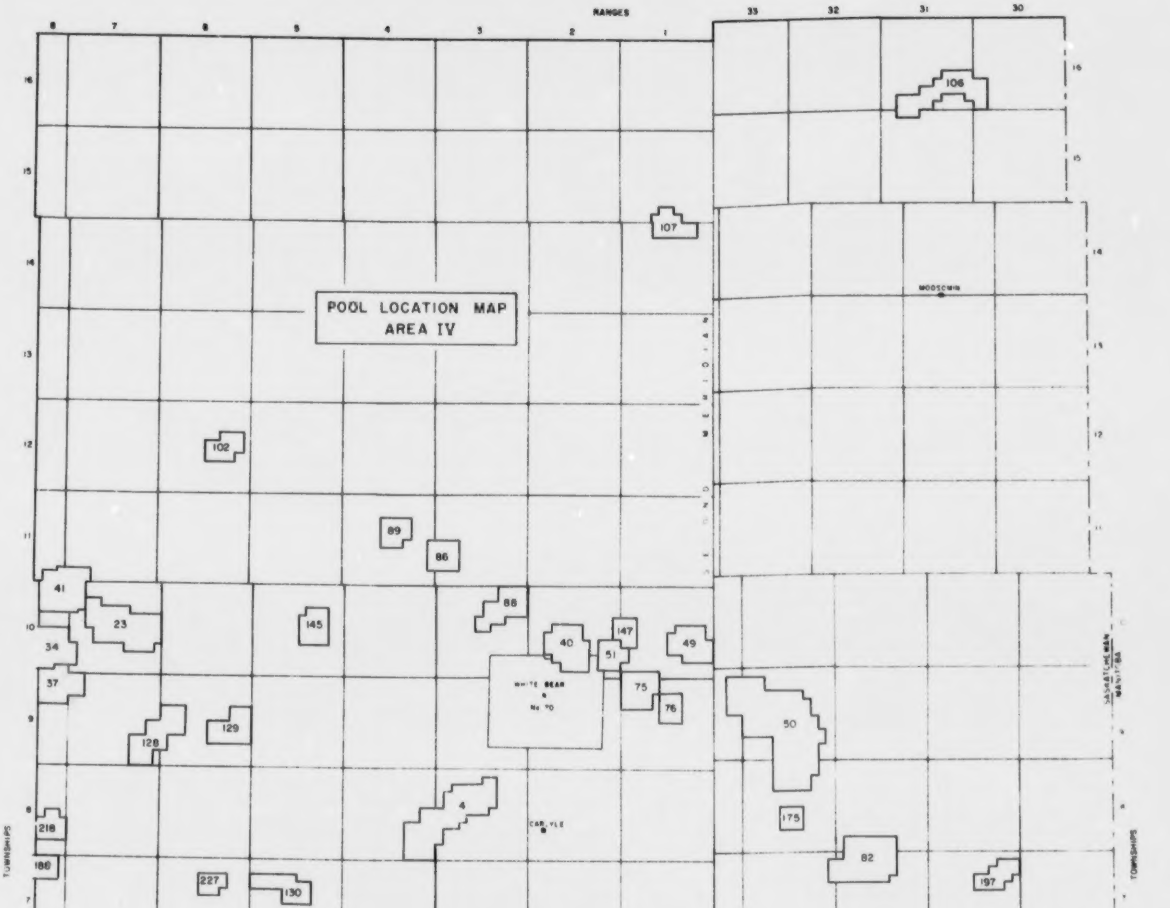
WEST OF THIRD MERIDIAN



OIL & GAS POOLS
AREA IV

1 Alameda Midale Beds Pool
2 Alida East Alida Beds Pool
3 Alida West Alida Beds Pool
4 Arcola Frobisher-Alida Beds Pool
6 Benson Midale Beds Pool
277 Bienfait Midale Beds Pool
153 Bromhead Midale Beds Pool
8 Browning Frobisher-Alida Beds Pool
249 Bryant Frobisher Beds Pool
248 Bryant Midale Beds Pool
9 Cantal Frobisher-Alida Beds Pool
11 Carnduff Frobisher Beds Pool
12 Carnduff Midale Beds Pool
130 Clarilaw Frobisher-Alida Beds Pool
147 Crystal Hill Souris Valley Beds Pool
141 Delesboro Frobisher-Alida Beds Pool
200 East Pinto Frobisher Beds Pool
209 East Pinto Midale Beds Pool
191 Edenvale Tilston Beds Pool
16 Elmore Frobisher Beds Pool
17 Elmore Midale Beds Pool
18 Flat Lake Ratcliffe Beds Pool
144 Florence Frobisher Beds Pool
158 Freda Lake Ratcliffe Beds Pool
120 Freestone Frobisher-Alida Beds Pool
197 Frys Tilston-Souris Valley Beds Pool
87 Gainsborough Frobisher-Alida Beds Pool
20 Glen Ewen Frobisher Beds Pool
21 Glen Ewen Midale Beds Pool
160 Griffin Frobisher Beds Pool
23 Handsworth Alida Beds Pool
119 Hartaven Frobisher-Alida Beds Pool
31 Hastings Frobisher Beds Pool
89 Hazelwood Tilston Beds Pool
162 Hoffer Ratcliffe Lower Beds Pool
163 Hoffer Ratcliffe Upper Beds Pool
143 Hume Frobisher Beds Pool
156 Hume Midale Beds Pool
139 Hummingbird Birdbear Pool
140 Hummingbird Ratcliffe Beds Pool
27 Huntoon Frobisher Beds Pool
26 Huntoon Midale Beds Pool
80 Ingoldsby Frobisher-Alida Beds Pool
29 Innes Frobisher Beds Pool
88 Kennosee Tilston Beds Pool
227 Kisbey Birdbear Pool
127 Lake Alma Ratcliffe Beds Pool
92 Lightning Tilston Beds Pool
34 Lost Horse Hill Frobisher-Alida Beds Pool
35 Lougheed Midale Beds Pool
168 Macoun Midale Beds Pool
250 Macoun West Midale Beds Pool
37 Melrose Frobisher-Alida Beds Pool
38 Midale Central Frobisher Beds Pool
39 Midale Central Midale Beds Pool
247 Minard Midale Beds Pool
90 Moose Mountain Tilston Beds Pool
102 Moose Valley Tilston Beds Pool
192 Morrisview Frobisher-Alida Beds Pool
161 Neptune Ratcliffe Beds Pool
85 North Antler Midale Beds Pool
132 Northgate Frobisher Beds Pool
155 Northgate Midale Beds Pool
42 North Handsworth Alida Beds Pool
46 Nottingham Alida Beds Pool
47 Oakley Frobisher Beds Pool
48 Oungre Ratcliffe Beds Pool
49 Parkman Souris Valley Beds Pool
176 Parkman South Tilston-Souris Valley Beds Pool
51 Parkman Tilston Beds Pool
50 Parkman Tilston-Souris Valley Beds Pool
52 Pinto Frobisher Beds Pool
53 Pinto Midale Beds Pool
54 Queensdale East Frobisher-Alida Beds Pool
55 Queensdale North Alida Beds Pool
56 Queensdale West Alida Beds Pool
205 Ralph Midale Beds Pool
106 Rocanville Bakken Sand Pool
57 Roncott Bakken Sand Pool
59 Rosebank Alida Beds Pool
60 Rosebank South Alida Beds Pool
133 Sherwood Frobisher Beds Pool
61 Silverton Frobisher Beds Pool
169 Skinner Lake Ratcliffe Beds Pool
170 Souris Flat Frobisher Beds Pool
98 South Fletwode Tilston Beds Pool
129 Star Valley Frobisher-Alida Beds Pool
63 Steelman Frobisher Beds Pool
64 Steelman Midale Beds Pool
65 Storthoaks Alida-Tilston Beds Pool
66 Stoughton Frobisher-Alida Beds Pool
218 Stoughton South Frobisher Beds Pool
243 Tatagwa Midale Beds Pool
188 Viewfield Frobisher Beds Pool
71 View Hill Midale Beds Pool
107 Wapella Sand Pool
145 Wauchope Alida Beds Pool
167 Weir Hill Frobisher Beds Pool
117 West Innes Frobisher Beds Pool
72 West Kingsford Midale Beds Pool
73 Weyburn Frobisher Beds Pool
74 Weyburn Midale Beds Pool
75 White Bear Tilston Beds Pool
76 White Bear Tilston-Souris Valley Beds Pool
138 Wildwood Alida Beds Pool
77 Willmar Frobisher-Alida Beds Pool
154 Winmore Frobisher Beds Pool
[illegible] Workman Frobisher Beds Pool
79 Workman Midale Beds Pool

POOL LOCATION MAP
AREA IV


POOL LOCATION MAP
AREA IV
RANGES
WEST OF SECOND MERIDIAN
WEST OF FIRST MERIDIAN
TOWNSHIPS
SECOND MERIDIAN
SASKATCHEWAN
MANITOBA
MOOSOMIN
WHITE BEAR
CARLYLE
STEELMAN
OXBOW
CARNDUFF
ESTEVAN
BIENFAIT
106
107
102
89
86
41
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85

RESERVOIR DATA
RESERVES AND
PRODUCTION - OIL

FIVE YEAR OIL SUMMARY

	1979	1980	1981	1982	1983
	INITIAL RECOVERABLE RESERVES (Million Cubic Metres)				
Area I - Heavy	46.684	48.351	49.697	51.910	57.176
Area II - Heavy	10.509	11.970	14.009	15.362	16.146
Area II - Light	15.695	16.513	16.732	17.507	19.299
Area III - Medium	87.330	88.345	88.486	88.965	89.635
Area IV - Medium	100.883	102.713	102.606	98.776	100.593
Area IV - Light	109.984	111.379	111.729	116.510	119.565
PROVINCIAL TOTAL	371.085	379.271	383.259	389.030	402.414
	REMAINING RECOVERABLE RESERVES (Million Cubic Metres)				
Area I - Heavy	24.101	23.774	23.073	23.233	26.029
Area II - Heavy	3.540	4.612	6.082	6.765	6.820
Area II - Light	5.412	5.737	5.466	5.757	6.877
Area III - Medium	19.359	18.406	17.225	16.292	15.341
Area IV - Medium	30.209	29.808	28.095	24.990	25.145
Area IV - Light	22.530	21.677	20.644	21.226	21.906
PROVINCIAL TOTAL	105.151	104.014	100.585	98.263	102.118
	YEARLY PRODUCTION (Million Cubic Metres)				
Area I - Heavy	1.878	1.989	2.039	2.051	2.479
Area II - Heavy	0.346	0.391	0.565	0.672	0.730
Area II - Light	0.428	0.492	0.490	0.486	0.670
Area III - Medium	2.192	1.973	1.310	1.422	1.622
Area IV - Medium	2.210	2.231	1.611	1.702	1.704
Area IV - Light	2.315	2.254	1.377	1.771	2.330
PROVINCIAL TOTAL	9.369	9.330	7.392	8.104	9.535
	NUMBER OF PRODUCING WELLS				
Area I - Heavy	2 309	2 285	2 206	2 454	2 733
Area II - Heavy	353	388	540	579	640
Area II - Light	917	1 128	1 178	1 398	1 856
Area III - Medium	918	929	903	906	948
Area IV - Medium	1 540	1 576	1 519	1 487	1 604
Area IV - Light	2 038	2 048	1 564	2 137	2 330
PROVINCIAL TOTAL	8 075	8 354	7 910	8 961	10 111
	AVERAGE DAILY PRODUCTION (Cubic Metres Per Day)				
Area I - Heavy	5 606	5 679	5 525	6 163	7 043
Area II - Heavy	1 027	1 165	1 670	1 925	2 037
Area II - Light	1 312	1 454	1 334	1 564	2 054
Area III - Medium	6 049	5 470	4 390	4 794	4 629
Area IV - Medium	6 075	5 974	5 542	4 780	5 011
Area IV - Light	6 384	6 161	3 019	6 689	6 388
PROVINCIAL TOTAL	26 453	25 903	21 480	25 913	27 163

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY			INITIAL RESERVES			CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION	
		PRIMARY	ENHANCED PER CENT	TOTAL	PRIMARY	ENHANCED	TOTAL			YEARLY TOTAL M3X1 000	DAILY AVERAGE M3/DAY
					---------------M3 X 1 000 000---------------						
AREA I - HEAVY											
ABERFELDY											
SPARKY SAND (UNIT)	53.484	5.30	5.50	10.80	2.835	2.942	5.777	4.680	1.097	216.197	591.3
SPARKY SAND (S. ABFDY SPKY VOL UNIT)	23.573	4.80	1.80	6.60	1.132	0.424	1.556	1.383	0.173	29.441	90.2
SPARKY SAND (NON-UNIT)	8.673	4.60	0.00	4.60	0.399	0.000	0.399	0.238	0.161	21.073	65.6
BALDWINTON											
SPARKY SAND	1.604	5.00	0.00	5.00	0.080	0.000	0.080	0.038	0.042	7.730	18.3
BIG GULLY											
MCLAREN SAND (VOLUNTARY UNIT NO. 1)	9.843	5.70	2.30	8.00	0.561	0.226	0.787	0.700	0.180	11.891	77.0
WASECA SAND (VOLUNTARY UNIT NO. 1)	2.302	2.50	1.50	4.00	0.058	0.035	0.093				
MCLAREN SAND (NON-UNIT)	0.680	5.40	0.00	5.40	0.037	0.000	0.037	0.024	0.013	1.974	5.0
WASECA SAND (NON-UNIT)	0.350	2.90	0.00	2.90	0.010	0.000	0.010	0.010	0.000	0.000	0.0
BUZZARD											
LLOYDMINSTER SAND	3.684	5.60	0.00	5.60	0.206	0.000	0.206	0.052	0.154	19.408	48.7
CELTIC											
G.P. SAND	12.141	5.00	0.00	5.00	0.607	0.000	0.607	0.039	1.916	27.705	99.5
SPARKY SAND	12.228	2.60	0.00	2.60	0.318	0.000	0.318	0.055		9.780	36.5
WASECA SAND	28.593	3.60	0.70	4.30	1.029	0.200	1.229	0.124		47.369	151.4
BLAIRMORE SANDS (COMMINGLED)								0.020		2.762	7.9
DEE VALLEY											
WASECA SAND	19.314	4.30	0.00	4.30	0.831	0.000	0.831	0.210	0.621	34.796	87.4
DEE VALLEY EAST											
SPARKY SAND	5.401	2.30	0.00	2.30	0.124	0.000	0.124	0.016	0.108	2.211	7.2
WASECA SAND	4.468	4.00	0.00	4.00	0.179	0.000	0.179	0.035	0.144	5.040	13.3
DULWICH											
SPARKY SAND	15.385	8.00	4.20	12.20	1.231	0.646	1.877	1.607	0.270	29.891	54.4
DULWICH NORTH											
SPARKY SAND (N. DULWICH VOL UNIT)	1.152	5.50	14.00	19.50	0.063	0.161	0.224	0.201	0.023	4.238	12.0
SPARKY SAND (NON-UNIT)	0.033	1.60	0.00	1.60	0.001	0.000	0.001	0.001	0.000	0.000	0.0
EDAM											
WASECA SAND	6.720	2.00	0.00	2.00	0.134	0.000	0.134	0.023	0.111	4.527	10.3
EPPING											
G.P. SAND (S. EPPING UNIT)	4.305	3.00	1.40	4.40	0.129	0.060	0.189	2.365	0.453	59.713	146.7
SPARKY SAND (S. EPPING UNIT)	23.892	5.00	6.00	11.00	1.195	1.434	2.629				
SPARKY SAND (SW EPPING VOL UNIT 1)	10.764	5.40	5.70	11.10	0.581	0.614	1.195	0.774	0.421	35.182	86.1
G.P. SAND (NON-UNIT)	12.281	3.60	0.00	3.60	0.442	0.000	0.442	0.360	0.082	8.839	27.2
SPARKY SAND (NON-UNIT)	33.272	5.30	0.00	5.30	1.763	0.000	1.763	1.453	0.310	48.052	131.7
EYEHILL											
CUMMINGS SAND	7.468	1.00	13.40	14.40	0.075	1.001	1.076	0.079	0.997	23.936	58.8
FOREST BANK											
SPARKY SAND	10.166	4.20	0.00	4.20	0.427	0.000	0.427	0.118	0.468	11.329	25.9
WASECA SAND	7.992	4.20	0.00	4.20	0.336	0.000	0.336	0.128		7.298	16.9
MANNVILLE SANDS (COMMINGLED)	0.634							0.049		6.642	17.7
FREEMONT											
SPARKY SAND	2.672	6.00	0.00	6.00	0.160	0.000	0.160	0.065	0.095	10.626	23.1
WASECA SAND	3.103	6.00	0.00	6.00	0.186	0.000	0.186	0.129	0.057	9.627	30.7
FURNESS											
SPARKY SAND	8.981	5.10	0.00	5.10	0.458	0.000	0.458	0.342	0.116	17.127	47.6
GOLDEN LAKE NORTH											
SPARKY SAND (GOLDEN LAKE VOL UNIT)	9.245	3.00	0.80	3.80	0.277	0.074	0.351	1.399	0.323	50.287	134.6
WASECA SAND (GOLDEN LAKE VOL UNIT)	14.279	6.00	3.60	9.60	0.857	0.514	1.371				
SPARKY SAND (NON-UNIT)	3.769	3.70	0.00	3.70	0.139	0.000	0.139	0.081	0.058	10.800	31.0
WASECA SAND (NON-UNIT)	6.009	5.60	1.00	6.60	0.337	0.060	0.397	0.298	0.099	14.206	38.8
GOLDEN LAKE SOUTH											
SPARKY SAND	15.839	3.50	6.70	10.20	0.554	1.061	1.615	0.521	1.094	64.048	154.7
WASECA SAND	24.214	8.10	1.00	9.10	1.961	0.242	2.203	1.310	0.893	109.283	295.1
GULLY LAKE											
WASECA SAND (VOLUNTARY UNIT NO. 1)	10.975	4.30	3.70	8.00	0.472	0.406	0.878	0.608	0.270	38.249	92.6
WASECA SAND (NON-UNIT)	14.121	7.00	0.00	7.00	0.988	0.000	0.988	0.553	0.435	65.129	174.9

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
											AREA I - HEAVY
										ABERFELDY	
0.299	4.047	4.42	35.0	13.0	1.017	968	535	CRETACEOUS	1956		SPARKY SAND (UNIT)
0.299	1.522	5.18	35.0	13.0	1.017	--	--	--	--		SPARKY SAND (S. ABFDY SPKY VOL UNIT)
0.299	0.518	5.60	35.0	13.0	1.017	--	--	--	--		SPARKY SAND (NON-UNIT)
										BALDWINTON	
0.157	0.227	4.50	25.0	30.0	1.111	970	599	CRETACEOUS	1969		SPARKY SAND
										BIG GULLY	
0.299	1.101	2.99	36.0	15.3	1.018	965	496	CRETACEOUS	1962		MCLAREN SAND (VOLUNTARY UNIT NO. 1)
0.299	0.308	2.50	36.0	15.3	1.018	965	479	CRETACEOUS	1962		WASECA SAND (VOLUNTARY UNIT NO. 1)
0.299	0.065	3.50	36.0	15.3	1.018	981	496	CRETACEOUS	1962		MCLAREN SAND (NON-UNIT)
0.299	0.016	7.32	36.0	15.3	1.018	--	479	--	--		WASECA SAND (NON-UNIT)
										BUZZARD	
0.157	0.518	4.53	25.0	30.0	1.111	971	579	CRETACEOUS	1978		LLOYDMINSTER SAND
										CELTIC	
0.264	0.730	6.30	35.0	24.0	1.008	969	477	CRETACEOUS	1968		G.P. SAND
0.264	0.772	6.00	35.0	24.0	1.008	975	463	CRETACEOUS	1968		SPARKY SAND
0.264	1.641	6.60	35.0	24.0	1.008	968	451	CRETACEOUS	1968		WASECA SAND
0.000	0.000	0.00	0.0	0.0	1.008	--	--	CRETACEOUS	--		BLAIRMORE SANDS (COMMINGLED)
										DEE VALLEY	
0.290	1.311	5.08	35.0	16.0	1.015	976	460	CRETACEOUS	1967		WASECA SAND
										DEE VALLEY EAST	
0.290	0.404	4.61	35.0	16.0	1.015	969	490	CRETACEOUS	1968		SPARKY SAND
0.290	0.394	3.91	35.0	16.0	1.015	971	464	CRETACEOUS	1970		WASECA SAND
										DULWICH	
0.259	1.910	3.11	34.0	15.0	1.116	962	556	CRETACEOUS	1948		SPARKY SAND
										DULWICH NORTH	
0.300	0.097	3.96	35.0	13.0	1.016	957	551	CRETACEOUS	1954		SPARKY SAND (N. DULWICH VOL UNIT)
0.300	0.004	2.74	35.0	13.0	1.016	--	--	--	--		SPARKY SAND (NON-UNIT)
										EDAM	
0.157	0.738	5.80	25.0	30.0	1.111	988	431	CRETACEOUS	1972		WASECA SAND
										EPPING	
0.281	1.473	1.04	35.0	18.0	1.020	962	583	CRETACEOUS	1951		G.P. SAND (S. EPPING UNIT)
0.281	1.651	5.15	35.0	18.0	1.020	964	563	CRETACEOUS	1951		SPARKY SAND (S. EPPING UNIT)
0.281	0.923	4.15	35.0	18.0	1.020	--	--	--	--		SPARKY SAND (SW EPPING VOL UNIT 1)
0.281	1.214	3.60	35.0	18.0	1.020	962	--	--	--		G.P. SAND (NON-UNIT)
0.281	2.574	4.60	35.0	18.0	1.020	968	--	--	--		SPARKY SAND (NON-UNIT)
										EYEHILL	
0.277	0.442	6.10	34.0	16.0	1.031	970	746	CRETACEOUS	1971		CUMMINGS SAND
										FOREST BANK	
0.290	0.779	4.50	35.0	16.0	1.015	982	526	CRETACEOUS	1961		SPARKY SAND
0.290	0.848	3.25	35.0	16.0	1.015	979	507	CRETACEOUS	1963		WASECA SAND
0.172	0.097	3.80	25.0	30.0	1.015	--	--	--	--		MANNVILLE SANDS (COMMINGLED)
										FREEMONT	
0.266	0.292	3.44	35.0	20.0	1.053	963	636	CRETACEOUS	1976		SPARKY SAND
0.266	0.324	3.60	35.0	20.0	1.053	958	620	CRETACEOUS	1976		WASECA SAND
										FURNESS	
0.284	0.550	5.75	34.0	15.0	1.017	967	566	CRETACEOUS	1970		SPARKY SAND
										GOLDEN LAKE NORTH	
0.277	0.890	3.75	35.0	20.0	1.009	977	506	CRETACEOUS	1964		SPARKY SAND (GOLDEN LAKE VOL UNIT)
0.290	1.198	4.11	35.0	16.0	1.015	964	481	CRETACEOUS	1964		WASECA SAND (GOLDEN LAKE VOL UNIT)
0.277	0.324	4.20	35.0	20.0	1.009	970	--	--	--		SPARKY SAND (NON-UNIT)
0.290	0.518	4.00	35.0	16.0	1.015	963	--	--	--		WASECA SAND (NON-UNIT)
										GOLDEN LAKE SOUTH	
0.284	0.858	6.50	35.0	18.0	1.012	978	490	CRETACEOUS	1964		SPARKY SAND
0.290	2.152	3.88	35.0	16.0	1.015	966	473	CRETACEOUS	1964		WASECA SAND
										GULLY LAKE	
0.290	0.874	4.33	35.7	16.0	1.033	963	472	CRETACEOUS	1949		WASECA SAND (VOLUNTARY UNIT NO. 1)
0.290	1.036	4.70	35.7	16.0	1.033	969	--	--	--		WASECA SAND (NON-UNIT)

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY PRIMARY	ESTIMATED RECOVERY ENHANCED	ESTIMATED RECOVERY TOTAL	INITIAL RESERVES PRIMARY	INITIAL RESERVES ENHANCED	INITIAL RESERVES TOTAL	CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION YEARLY TOTAL M3X1 000	1983 PRODUCTION DAILY AVERAGE M3/DAY
		PER CENT			---------------M3 X 1 000 000---------------						
LANDROSE											
MCLAREN SAND	2.851	2.90	0.00	2.90	0.083	0.000	0.083	0.081	0.002	0.009	0.0
WASECA SAND	2.765	4.50	0.00	4.50	0.124	0.000	0.124	0.109	0.015	0.367	2.8
LASHBURN											
WASECA SAND (LASH. WASECA VOL UNIT)	18.068	1.90	3.00	4.90	0.343	0.542	0.885	0.690	0.195	15.180	72.8
WASECA SAND (NON-UNIT)	4.588	3.40	0.00	3.40	0.156	0.000	0.156	0.119	0.037	7.578	19.0
LASHBURN SOUTH											
SPARKY SAND	1.409	2.60	0.00	2.60	0.037	0.000	0.037	0.020	0.017	2.862	6.0
WASECA SAND	7.950	3.00	0.00	3.00	0.238	0.000	0.238	0.115	0.123	15.619	41.3
LASHBURN WEST											
SPARKY SAND	7.658	1.80	0.00	1.80	0.138	0.000	0.138	0.025	0.113	7.698	17.4
LLOYDMINSTER											
SPARKY SAND	3.596	5.40	0.00	5.40	0.194	0.000	0.194	0.120	0.074	12.191	29.1
LONE ROCK											
SPARKY SAND	13.946	7.50	1.50	9.00	1.046	0.209	1.255	1.187	0.068	12.865	27.2
LOW LAKE											
WASECA SAND	1.209	4.80	0.00	4.80	0.058	0.000	0.058	0.050	0.008	1.542	4.8
MACKLIN											
SPARKY SAND	11.702	5.80	0.00	5.80	0.679	0.000	0.679	0.268	0.411	37.330	97.8
MAIDSTONE											
MCLAREN SAND	5.388	10.10	0.00	10.10	0.544	0.000	0.544	0.070	0.474	28.088	90.3
WASECA SAND	1.284	6.00	0.00	6.00	0.077	0.000	0.077	0.011	0.066	6.989	25.5
MARSDEN											
SPARKY SAND	1.228	10.00	0.00	10.00	0.123	0.000	0.123	0.090	0.033	6.154	21.2
MARSDEN SOUTH											
SPARKY SAND	9.127	10.50	0.00	10.50	0.958	0.000	0.958	0.183	0.775	66.817	248.5
NEILBURG											
MCLAREN SAND	3.407	11.00	0.00	11.00	0.375	0.000	0.375	0.117	0.258	26.916	66.8
NORTHMINSTER											
SPARKY SAND (NORTH. SPARKY VOL UNIT)	10.932	3.50	4.00	7.50	0.383	0.437	0.820	0.711	0.109	20.391	48.5
SPARKY SAND (NON-UNIT)	1.662	3.30	1.20	4.50	0.055	0.020	0.075	0.050	0.025	5.584	21.1
NORTHMINSTER NORTH											
G.P. SAND	0.871	4.20	0.00	4.20	0.037	0.000	0.037	0.010	0.027	1.705	3.9
SPARKY SAND	4.014	6.10	0.00	6.10	0.245	0.000	0.245	0.049	0.196	9.033	21.9
PIKES PEAK											
G.P. SAND	2.535	12.00	0.00	12.00	0.304	0.000	0.304	0.144	0.160	22.441	57.6
SPARKY SAND	0.962	2.10	0.00	2.10	0.020	0.000	0.020	0.006	0.014	1.543	4.0
WASECA SAND	12.335	3.00	8.60	11.60	0.370	1.061	1.431	0.333	1.098	167.658	530.9
RUSH LAKE											
SPARKY SAND	1.861	4.00	0.00	4.00	0.074	0.000	0.074	0.030	0.044	6.265	13.0
WASECA SAND	1.015	6.00	0.00	6.00	0.061	0.000	0.061	0.013	0.048	5.288	17.0
SENLAC											
LLOYDMINSTER SAND	11.930	11.30	0.00	11.30	1.348	0.000	1.348	0.171	1.177	108.947	360.6
SILVERDALE											
SPARKY SAND	17.681	6.70	0.50	7.20	1.185	0.088	1.273	1.182	0.091	18.152	39.6
STANDARD HILL											
WASECA SAND	20.792	9.80	0.00	9.80	2.038	0.000	2.038	0.703	1.335	101.918	259.4
TANGLEFLAGS											
LLOYDMINISTER SAND (VOL UNIT NO.2)	3.458	5.50	2.50	8.00	0.190	0.086	0.276	0.191	0.085	12.348	25.3
G.P. (VOL UNIT NO. 3)	4.847	4.50	0.00	4.50	0.218	0.000	0.218	0.081	0.137	12.772	37.7
LLOYDMINSTER SD (VOL UNIT NO. 3)	5.683	5.00	0.00	5.00	0.284	0.000	0.284	0.130	0.154	18.670	40.2
SPARKY SAND (VOL UNIT NO. 3)	6.389	0.80	0.00	0.80	0.051	0.000	0.051	0.017	0.034	2.830	7.7
G.P. SAND (NON-UNIT)	44.971	6.20	0.00	6.20	2.788	0.000	2.788	1.014	3.239	103.860	267.7
LLOYDMINSTER SAND (NON-UNIT)	42.658	4.10	0.00	4.10	1.749	0.000	1.749	0.614		80.610	224.7
SPARKY SAND (NON-UNIT)	13.961	5.00	0.00	5.00	0.698	0.000	0.698	0.147		22.027	62.1
MANNVILLE SD (COMMINGLED) (NON-UNIT)								0.221		13.900	38.5
TANGLEFLAGS EAST											
MCLAREN SAND	1.419	8.50	0.00	8.50	0.121	0.000	0.121	0.039	0.082	8.473	25.6

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
										LANDROSE	
0.228	0.202	6.19	30.0	20.0	1.053	981	513	CRETACEOUS	1950		MCLAREN SAND
0.290	0.210	4.54	36.0	18.0	1.017	983	521	CRETACEOUS	1950		WASECA SAND
										LASHBURN	
0.230	1.263	6.22	30.0	21.0	1.031	962	518	CRETACEOUS	1960		WASECA SAND (LASH. WASECA VOL UNIT)
0.292	0.291	5.40	35.0	15.0	1.017	963	--	--	--		WASECA SAND (NON-UNIT)
										LASHBURN SOUTH	
0.275	0.146	3.51	35.0	20.0	1.017	983	534	CRETACEOUS	1967		SPARKY SAND
0.292	0.566	4.81	35.0	15.0	1.017	979	524	CRETACEOUS	--		WASECA SAND
										LASHBURN WEST	
0.157	0.813	6.00	25.0	30.0	1.111	991	537	CRETACEOUS	1979		SPARKY SAND
										LLOYDMINSTER	
0.299	0.194	6.20	35.0	13.0	1.017	965	556	CRETACEOUS	1952		SPARKY SAND
										LONE ROCK	
0.266	0.955	5.49	33.0	15.0	1.053	960	571	CRETACEOUS	1947		SPARKY SAND
										LOW LAKE	
0.248	0.129	3.78	36.0	30.0	1.017	971	509	CRETACEOUS	1950		WASECA SAND
										MACKLIN	
0.261	1.281	3.50	35.0	23.0	1.033	947	712	CRETACEOUS	1976		SPARKY SAND
										MAIDSTONE	
0.157	1.217	2.82	25.0	30.0	1.111	963	500	CRETACEAOUS	1978		MCLAREN SAND
0.157	0.242	3.38	25.0	30.0	1.111	973	503	--	--		WASECA SAND
										MARSDEN	
0.266	0.101	4.57	35.0	20.0	1.053	982	606	CRETACEOUS	1949		SPARKY SAND
										MARSDEN SOUTH	
0.266	0.486	7.06	35.0	20.0	1.053	946	625	CRETACEOUS	1979		SPARKY SAND
										NEILBURG	
0.157	0.454	4.78	25.0	30.0	1.111	964	581	CRETACEOUS	1978		MCLAREN SAND
										NORTHMINSTER	
0.284	0.987	3.90	34.0	15.0	1.017	976	541	CRETACEOUS	1959		SPARKY SAND (NORTH. SPARKY VOL UNIT)
0.284	0.113	5.18	34.0	15.0	1.017	967	--	--	--		SPARKY SAND (NON-UNIT)
										NORTHMINSTER NORTH	
0.157	0.113	4.91	25.0	30.0	1.111	984	543	CRETACEOUS	1961		G.P. SAND
0.157	0.544	4.70	25.0	30.0	1.111	970	524	CRETACEOUS	--		SPARKY SAND
										PIKES PEAK	
0.233	0.259	4.20	35.0	30.0	1.053	970	530	CRETACEOUS	1970		G.P. SAND
0.233	0.129	3.20	35.0	30.0	1.053	984	515	CRETACEOUS	--		SPARKY SAND
0.275	0.534	8.40	33.0	15.0	1.020	978	497	CRETACEOUS	--		WASECA SAND
										RUSH LAKE	
0.157	0.194	6.11	25.0	30.0	1.111	978	478	CRETACEOUS	--		SPARKY SAND
0.157	0.129	5.01	25.0	30.0	1.111	977	450	CRETACEOUS	--		WASECA SAND
										SENLAC	
0.202	1.198	4.93	30.0	25.0	1.111	968	787	CRETACEOUS	--		LLOYDMINSTER SAND
										SILVERDALE	
0.258	1.813	3.78	34.0	20.0	1.053	965	564	CRETACEOUS	1968		SPARKY SAND
										STANDARD HILL	
0.281	2.044	3.62	34.0	16.0	1.015	968	472	CRETACEOUS	1963		WASECA SAND
										TANGLEFLAGS	
0.232	0.421	3.54	30.0	21.0	1.020	959	532	CRETACEOUS	--		LLOYDMINISTER SAND (VOL UNIT NO.2)
0.268	0.567	3.19	33.3	18.0	1.020	969	490	CRETACEOUS	--		G.P. (VOL UNIT NO. 3)
0.205	0.880	3.15	30.6	31.6	1.020	960	532	CRETACEOUS	--		LLOYDMINSTER SD (VOL UNIT NO. 3)
0.238	0.826	3.25	35.0	30.0	1.028	970	511	CRETACEOUS	--		SPARKY SAND (VOL UNIT NO. 3)
0.268	3.119	5.38	35.0	22.0	1.020	970	492	--	--		G.P. SAND (NON-UNIT)
0.257	4.368	3.80	35.0	25.0	1.020	962	--	--	1965		LLOYDMINSTER SAND (NON-UNIT)
0.238	1.676	3.50	35.0	30.0	1.028	969	511	CRETACEOUS	1969		SPARKY SAND (NON-UNIT)
0.000	0.000	0.00	0.0	0.0	1.020	964	--	--	--		MANNVILLE SD (COMMINGLED) (NON-UNIT)
										TANGLEFLAGS EAST	
0.157	0.226	4.00	25.0	30.0	1.111	973	359	CRETACEOUS	1978		MCLAREN SAND

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE	ESTIMATED RECOVERY			INITIAL RESERVES			CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION	
		PRIMARY	ENHANCED	TOTAL	PRIMARY	ENHANCED	TOTAL			YEARLY TOTAL	DAILY AVERAGE
	M3X1 000 000		PER CENT		---------------M3 X 1 000 000---------------					M3X1 000	M3/DAY
TANGLEFLAGS NORTH											
CUMMINGS SAND	4.522	2.90	0.00	2.90	0.131	0.000	0.131	0.048	0.083	8.126	24.6
G.P. SAND	2.198	1.00	0.00	1.00	0.022	0.000	0.022	0.007	0.015	1.328	4.3
LLOYDMINSTER SAND	11.107	3.50	0.00	3.50	0.389	0.000	0.389	0.128	0.261	27.192	69.0
TANGLEFLAGS WEST											
G.P. SAND	0.923	1.00	0.00	1.00	0.009	0.000	0.009	0.007	0.002	0.588	1.9
LLOYDMINSTER SAND	3.385	3.40	0.00	3.40	0.115	0.000	0.115	0.048	0.067	9.529	21.8
SPARKY SAND	1.774	4.50	0.00	4.50	0.080	0.000	0.080	0.031	0.049	7.067	17.9
WESTHAZEL											
G.P.SAND	3.435	4.00	0.00	4.00	0.137	0.000	0.137	0.021	0.116	10.936	39.7
SPARKY SAND	5.333	3.50	0.00	3.50	0.187	0.000	0.187	0.060	0.127	13.311	40.0
WINTER											
CUMMINGS SAND	4.163	1.20	0.00	1.20	0.050	0.000	0.050	0.015	0.035	4.520	5.4
MISCELLANEOUS											
BASAL MANNVILLE SAND	0.028	2.00	0.00	2.00	0.001	0.000	0.001	0.001	0.000	0.000	0.0
COLONY SAND	3.176	2.00	0.00	2.00	0.064	0.000	0.064	0.016	0.048	3.188	11.2
CUMMINGS SAND	7.973	1.10	0.00	1.10	0.088	0.000	0.088	0.039	0.049	5.941	13.2
DINA SAND	0.790	0.90	0.00	0.90	0.007	0.000	0.007	0.002	0.005	0.444	1.1
G.P. SAND	14.989	3.80	0.00	3.80	0.570	0.000	0.570	0.237	0.333	32.933	102.2
LLOYDMINSTER SAND	7.474	2.40	3.30	5.70	0.179	0.247	0.426	0.135	0.291	38.805	118.9
MANNVILLE SANDS	0.430	4.60	0.00	4.60	0.020	0.000	0.020	0.003	0.017	1.044	5.9
MANNVILLE SANDS (COMMINGLED)	12.151	2.80	0.00	2.80	0.340	0.000	0.340	0.146	0.194	19.714	52.2
MCLAREN (T'FLAGS VOL UNIT NO. 3)	0.212	5.70	0.00	5.70	0.012	0.000	0.012	0.004	0.008	1.395	4.5
MCLAREN SAND	13.689	4.30	0.00	4.30	0.589	0.000	0.589	0.175	0.414	32.822	116.7
REX SAND	2.680	1.30	0.00	1.30	0.035	0.000	0.035	0.022	0.013	1.375	4.9
SPARKY SAND	39.907	5.50	0.00	5.50	2.195	0.000	2.195	0.620	1.575	139.995	481.2
WASECA SAND	18.820	3.20	0.00	3.20	0.602	0.000	0.602	0.183	0.419	39.568	118.6
TOTAL AREA I HEAVY	898.920				44.386	12.790	57.176	31.147	26.029	2478.850	7042.5
AREA II - HEAVY											
ALSASK											
BASAL BLAIRMORE SAND	0.292	3.90	0.00	3.90	0.011	0.000	0.011	0.008	0.003	0.529	1.9
BUFFALO COULEE											
BAKKEN SAND	7.106	4.00	2.00	6.00	0.284	0.142	0.426	0.216	0.210	20.140	59.6
BUFFALO COULEE NORTH											
BAKKEN SAND	3.728	2.50	0.00	2.50	0.093	0.000	0.093	0.048	0.045	6.045	28.1
CACTUS LAKE											
BASAL MANNVILLE-BAKKEN SAND	33.682	6.10	0.00	6.10	2.055	0.000	2.055	0.659	1.396	215.541	506.1
COLEVILLE											
BAKKEN SAND	53.690	4.20	10.70	14.90	2.255	5.745	8.000	6.169	1.831	211.971	577.9
DRUID											
MANNVILLE SANDS	2.567	4.00	0.00	4.00	0.103	0.000	0.103	0.010	0.093	3.510	7.1
FUSILIER											
BAKKEN SAND	3.242	10.20	0.00	10.20	0.331	0.000	0.331	0.130	0.201	18.045	48.9
HOOSIER											
BAKKEN SAND (VOLUNTARY UNIT NO. 1)	3.124	4.00	3.20	7.20	0.125	0.100	0.225	0.113	0.112	14.710	43.8
BAKKEN SAND (NON-UNIT)	5.174	5.50	0.00	5.50	0.285	0.000	0.285	0.115	0.170	16.769	57.5
LOVERNA											
DETRITAL	2.773	3.40	0.00	3.40	0.094	0.000	0.094	0.071	0.023	3.773	10.2
NORTH HOOSIER											
BAKKEN SAND (VOLUNTARY UNIT)	8.611	2.30	11.50	13.80	0.198	0.990	1.188	0.774	0.414	40.549	114.0
BAKKEN SAND (NON-UNIT)	4.280	5.60	0.00	5.60	0.240	0.000	0.240	0.132	0.108	12.590	40.9
NORTH HOOSIER											
BASAL BLAIRMORE SAND (VOL UNIT)	4.164	6.00	10.80	16.80	0.250	0.450	0.700	0.521	0.179	22.623	64.6
PLOVER LAKE											
BAKKEN SAND	11.472	5.00	0.00	5.00	0.574	0.000	0.574	0.090	0.484	35.244	91.2

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
										TANGLEFLAGS NORTH	
0.240	0.227	8.30	35.0	30.0	1.020	977	518	CRETACEOUS	1976		CUMMINGS SAND
0.233	0.178	5.30	35.0	30.0	1.053	978	450	CRETACEOUS	--		G.P. SAND
0.240	0.712	6.50	35.0	30.0	1.020	970	515	CRETACEOUS	--		LLOYDMINSTER SAND
										TANGLEFLAGS WEST	
0.268	0.065	5.30	35.0	22.0	1.020	979	516	CRETACEOUS	1972		G.P. SAND
0.257	0.356	3.70	35.0	25.0	1.020	967	563	CRETACEOUS	1972		LLOYDMINSTER SAND
0.238	0.162	4.60	35.0	30.0	1.028	975	498	CRETACEOUS	1972		SPARKY SAND
										WESTHAZEL	
0.233	0.194	7.60	35.0	30.0	1.053	977	485	CRETACEOUS	1971		G.P.SAND
0.264	0.372	5.43	35.0	24.0	1.008	967	455	CRETACEOUS	--		SPARKY SAND
										WINTER	
0.157	0.227	11.68	25.0	30.0	1.111	980	660	CRETACEOUS	1980		CUMMINGS SAND
										MISCELLANEOUS	
0.233	0.008	1.52	35.0	30.0	1.053	--	--	CRETACEOUS	--		BASAL MANNVILLE SAND
0.233	0.251	5.43	35.0	30.0	1.052	--	--	CRETACEOUS	--		COLONY SAND
0.233	0.510	6.71	35.0	30.0	1.052	--	--	CRETACEOUS	--		CUMMINGS SAND
0.233	0.032	10.60	35.0	30.0	1.052	--	--	CRETACEOUS	--		DINA SAND
0.233	1.230	5.23	35.0	30.0	1.052	--	--	CRETACEOUS	--		G.P. SAND
0.233	0.648	4.95	35.0	30.0	1.052	--	--	CRETACEOUS	--		LLOYDMINSTER SAND
0.157	0.048	5.70	25.0	30.0	1.111	--	--	CRETACEOUS	--		MANNVILLE SANDS
0.233	0.688	7.58	35.0	30.0	1.053	--	--	CRETACEOUS	--		MANNVILLE SANDS (COMMINGLED)
0.233	0.032	2.85	35.0	30.0	1.053	--	--	CRETACEOUS	--		MCLAREN (T'FLAGS VOL UNIT NO. 3)
0.233	1.522	3.86	35.0	30.0	1.053	--	--	CRETACEOUS	--		MCLAREN SAND
0.233	0.194	5.93	35.0	30.0	1.053	--	--	CRETACEOUS	--		REX SAND
0.233	3.756	4.56	35.0	30.0	1.053	--	--	CRETACEOUS	--		SPARKY SAND
0.233	1.376	5.87	35.0	30.0	1.053	--	--	CRETACEOUS	--		WASECA SAND
											AREA II - HEAVY
										ALSASK	
0.091	0.081	3.96	26.9	55.0	1.333	953	818	CRETACEOUS	1968		BASAL BLAIRMORE SAND
										BUFFALO COULEE	
0.190	0.550	6.80	26.6	25.0	1.050	978	823	MISSISSIPPIAN	1952		BAKKEN SAND
										BUFFALO COULEE NORTH	
0.206	0.275	6.58	29.5	25.0	1.075	981	814	MISSISSIPPIAN	1952		BAKKEN SAND
										CACTUS LAKE	
0.209	1.975	8.16	29.4	25.0	1.053	964	851	MISSISSIPPIAN	1974		BASAL MANNVILLE-BAKKEN SAND
										COLEVILLE	
0.154	2.743	12.71	24.1	31.0	1.078	982	823	MISSISSIPPIAN	1951		BAKKEN SAND
										DRUID	
0.163	0.210	7.50	25.9	30.0	1.111	969	729	CRETACEOUS	1969		MANNVILLE SANDS
										FUSILIER	
0.186	0.414	4.21	25.4	22.0	1.066	962	799	MISSISSIPPIAN	1955		BAKKEN SAND
										HOOSIER	
0.233	0.228	5.88	31.5	22.0	1.053	975	865	MISSISSIPPIAN	1973		BAKKEN SAND (VOLUNTARY UNIT NO. 1)
0.185	0.389	7.19	25.3	22.0	1.066	976	--	--	--		BAKKEN SAND (NON-UNIT)
										LOVERNA	
0.163	0.162	10.50	28.9	25.0	1.333	957	853	CRET-JURASSIC	1952		DETRITAL
										NORTH HOOSIER	
0.223	0.558	6.92	30.5	22.0	1.066	958	878	MISSISSIPPIAN	1965		BAKKEN SAND (VOLUNTARY UNIT)
0.223	0.275	6.98	30.5	22.0	1.066	--	--	--	--		BAKKEN SAND (NON-UNIT)
										NORTH HOOSIER	
0.195	0.287	7.44	28.0	27.0	1.049	970	838	CRETACEOUS	1964		BASAL BLAIRMORE SAND (VOL UNIT)
										PLOVER LAKE	
0.224	0.582	8.80	31.5	25.0	1.053	987	817	MISSISSIPPIAN	1974		BAKKEN SAND

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY			INITIAL RESERVES			CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION	
		PRIMARY	ENHANCED PER CENT	TOTAL	PRIMARY	ENHANCED ---------------M3 X 1 000 000---------------	TOTAL			YEARLY TOTAL M3X1 000	DAILY AVERAGE M3/DAY
MISCELLANEOUS											
BAKKEN SAND	29.145	4.60	0.00	4.60	1.341	0.000	1.341	0.148	1.193	81.340	310.0
BASAL MANNVILLE SAND	1.576	1.00	0.00	1.00	0.016	0.000	0.016	0.008	0.008	0.986	4.6
BIRDBEAR	0.016	3.00	0.00	3.00	0.000	0.000	0.000	0.000	0.000	0.000	0.0
DETRITAL	1.627	2.20	0.00	2.20	0.036	0.000	0.036	0.013	0.023	1.016	8.2
LLOYDMINISTER SAND	1.675	4.00	0.00	4.00	0.067	0.000	0.067	0.021	0.046	6.198	20.0
MANNVILLE SAND	9.029	4.00	0.00	4.00	0.361	0.000	0.361	0.080	0.281	17.924	34.7
TOTAL AREA II HEAVY	186.973				8.719	7.427	16.146	9.326	6.820	729.506	2029.2
AREA II - LIGHT											
AVON HILL											
VIKING	8.356	5.00	0.00	5.00	0.418	0.000	0.418	0.319	0.099	18.240	47.3
DODSLAND											
VIKING SAND (EAGLE LAKE UNIT)	12.758	10.00	8.00	18.00	1.276	1.021	2.297	1.702	0.595	42.841	122.5
VIKING SAND (GLENEATH UNIT)	9.528	11.00	13.00	24.00	1.048	1.239	2.287	1.636	0.651	49.903	131.9
VIKING SAND (NON-UNIT)	50.693	10.00	0.00	10.00	5.069	0.000	5.069	1.992	3.077	357.426	1098.9
EUREKA											
VIKING (NORTH EUREKA UNIT)	6.705	10.00	6.50	16.50	0.670	0.436	1.106	1.026	0.080	15.873	41.2
VIKING (SOUTH EUREKA UNIT)	6.796	9.50	9.50	19.00	0.646	0.646	1.292	1.045	0.247	28.478	61.5
VIKING (NON-UNIT)	3.005	5.50	0.00	5.50	0.165	0.000	0.165	0.044	0.121	10.543	46.1
LUCKY HILLS											
VIKING (VOLUNTARY UNIT)	1.575	4.40	0.00	4.40	0.069	0.000	0.069	0.061	0.008	2.653	6.0
VIKING (NON-UNIT)	1.921	4.10	0.00	4.10	0.079	0.000	0.079	0.072	0.007	2.710	8.8
PLATO											
VIKING (VOL UNIT NO. 1)	4.240	4.50	2.10	6.60	0.191	0.089	0.280	0.261	0.019	3.584	9.8
VIKING (NON-UNIT)	0.598	3.50	0.00	3.50	0.021	0.000	0.021	0.011	0.010	2.010	5.5
PLATO NORTH											
VIKING	3.460	9.00	0.00	9.00	0.311	0.000	0.311	0.030	0.281	20.724	78.0
SMILEY-DEWAR											
VIKING	21.468	16.70	7.10	23.80	3.585	1.524	5.109	3.936	1.173	75.943	212.1
WHITESIDE											
VIKING SAND (UNIT)	2.558	10.00	0.00	10.00	0.256	0.000	0.256	0.213	0.043	11.885	37.4
VIKING SAND (NON-UNIT)	0.461	3.70	0.00	3.70	0.017	0.000	0.017	0.008	0.009	2.225	5.3
MISCELLANEOUS											
VIKING SAND	11.842	4.40	0.00	4.40	0.521	0.000	0.521	0.064	0.457	25.399	149.7
VIKING CHERT	0.157	1.20	0.00	1.20	0.002	0.000	0.002	0.002	0.000	0.000	0.0
TOTAL AREA II LIGHT	146.121				14.344	4.955	19.299	12.422	6.877	670.437	2062.3
AREA III - MEDIUM											
ANTELOPE LAKE											
UPPER SHAUNAVON (VOL UNIT)	0.989	5.00	5.40	10.40	0.049	0.053	0.102	0.059	0.043	3.935	11.0
UPPER SHAUNAVON (NON-UNIT)	0.029	5.20	0.00	5.20	0.002	0.000	0.002	0.001	0.001	0.166	0.3
ANTELOPE LAKE EAST											
ROSERAY SAND	0.185	7.90	0.00	7.90	0.015	0.000	0.015	0.006	0.009	1.867	3.9
BATTLE CREEK											
MADISON	0.429	4.00	0.00	4.00	0.017	0.000	0.017	0.016	0.001	0.758	1.8
BATTLE CREEK											
UPPER SHAUNAVON	0.495	7.70	0.00	7.70	0.038	0.000	0.038	0.026	0.012	1.295	2.9
BATTRUM NORTH											
ROSERAY SAND	1.212	9.30	0.00	9.30	0.113	0.000	0.113	0.036	0.077	9.089	25.5
BATTRUM											
ROSERAY SAND (UNIT NO. 1)	28.996	10.00	10.00	20.00	2.900	2.900	5.800	4.414	1.386	129.605	344.6
ROSERAY SAND (UNIT NO. 2)	6.002	6.60	22.90	29.50	0.396	1.374	1.770	1.098	0.672	63.541	198.5
ROSERAY SAND (UNIT NO. 3)	7.264	8.00	23.00	31.00	0.581	1.671	2.252	1.136	1.116	48.046	142.0
ROSERAY SAND (UNIT NO. 4)	3.436	8.30	27.00	35.30	0.285	0.928	1.213	0.779	0.434	38.105	103.4
ROSERAY SAND (NON-UNIT)	1.242	4.00	0.00	4.00	0.050	0.000	0.050	0.017	0.033	0.831	6.1

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
										MISCELLANEOUS	
0.207	1.780	7.91	29.4	25.0	1.066	--	--	MISSISSIPPIAN	--		BAKKEN SAND
0.188	0.129	6.50	26.4	25.0	1.053	--	--	CRETACEOUS	--		BASAL MANNVILLE SAND
0.029	0.016	3.51	6.6	42.0	1.333	--	--	DEVONIAN	--		BIRDBEAR
0.150	0.113	9.60	28.6	30.0	1.335	--	--	CRET.-JURASSIC	--		DETRITAL
0.166	0.194	5.20	25.0	30.0	1.053	--	--	CRETACEOUS	--		LLOYDMINISTER SAND
0.172	0.680	7.72	25.0	26.0	1.075	--	--	CRETACEOUS	--		MANNVILLE SAND
											AREA II - LIGHT
										AVON HILL	
0.115	2.978	2.44	23.0	45.0	1.103	844	725	CRETACEOUS	1959		VIKING
										DODSLAND	
0.112	3.772	3.02	22.4	45.0	1.103	840	671	CRETACEOUS	1956		VIKING SAND (EAGLE LAKE UNIT)
0.108	3.011	2.93	21.7	45.0	1.103	--	--	--	--		VIKING SAND (GLENEATH UNIT)
0.112	18.550	2.44	22.4	45.0	1.103	842	--	--	--		VIKING SAND (NON-UNIT)
										EUREKA	
0.120	1.683	3.32	23.0	42.0	1.111	853	723	CRETACEOUS	1954		VIKING (NORTH EUREKA UNIT)
0.121	1.522	3.69	23.0	42.0	1.100	--	--	--	--		VIKING (SOUTH EUREKA UNIT)
0.121	0.583	4.26	23.0	42.0	1.100	849	--	--	--		VIKING (NON-UNIT)
										LUCKY HILLS	
0.114	0.453	3.05	23.0	45.0	1.111	843	716	CRETACEOUS	1959		VIKING (VOLUNTARY UNIT)
0.114	0.615	2.74	23.0	45.0	1.111	--	--	--	--		VIKING (NON-UNIT)
										PLATO	
0.128	1.781	1.86	22.0	38.0	1.066	853	644	CRETACEOUS	1968		VIKING (VOL UNIT NO. 1)
0.128	0.550	0.85	22.0	38.0	1.066	856	--	--	--		VIKING (NON-UNIT)
										PLATO NORTH	
0.135	0.890	2.88	23.0	35.0	1.111	865	705	CRETACEOUS	1978		VIKING
										SMILEY-DEWAR	
0.121	4.014	4.42	24.0	45.0	1.090	875	701	CRETACEOUS	1953		VIKING
										WHITESIDE	
0.120	1.165	1.83	24.0	45.0	1.099	870	751	CRETACEOUS	1953		VIKING SAND (UNIT)
0.120	0.210	1.83	24.0	45.0	1.099	870	--	--	--		VIKING SAND (NON-UNIT)
										MISCELLANEOUS	
0.135	2.040	4.30	23.0	35.0	1.111	--	--	CRETACEOUS	--		VIKING SAND
0.140	0.032	3.51	24.0	35.0	1.111	--	--	CRETACEOUS	--		VIKING CHERT
											AREA III - MEDIUM
										ANTELOPE LAKE	
0.105	0.442	2.13	18.0	40.0	1.025	914	1 037	JURASSIC	1964		UPPER SHAUNAVON (VOL UNIT)
0.100	0.016	1.83	17.0	40.0	1.025	--	--	--	--		UPPER SHAUNAVON (NON-UNIT)
										ANTELOPE LAKE EAST	
0.138	0.032	4.20	23.5	37.0	1.070	923	950	JURASSIC	1971		ROSERAY SAND
										BATTLE CREEK	
0.115	0.049	7.62	16.0	25.0	1.047	997	1 390	MISSISSIPPIAN	1966		MADISON
										BATTLE CREEK	
0.084	0.129	4.57	12.5	25.0	1.111	945	1 337	JURASSIC	1966		UPPER SHAUNAVON
										BATTRUM NORTH	
0.131	0.113	8.19	22.7	41.0	1.026	937	866	JURASSIC	1979		ROSERAY SAND
										BATTRUM	
0.169	1.599	10.73	26.0	33.2	1.026	938	883	JURASSIC	1955		ROSERAY SAND (UNIT NO. 1)
0.190	0.324	9.75	27.4	29.0	1.026	--	--	--	--		ROSERAY SAND (UNIT NO. 2)
0.149	0.842	5.79	25.1	39.3	1.024	--	--	--	--		ROSERAY SAND (UNIT NO. 3)
0.149	0.453	5.09	25.1	39.3	1.024	--	--	--	--		ROSERAY SAND (UNIT NO. 4)
0.148	0.162	5.18	25.0	39.3	1.026	--	--	--	--		ROSERAY SAND (NON-UNIT)

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY PRIMARY	ESTIMATED RECOVERY ENHANCED	ESTIMATED RECOVERY TOTAL PER CENT	INITIAL RESERVES PRIMARY	INITIAL RESERVES ENHANCED	INITIAL RESERVES TOTAL	CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION YEARLY TOTAL M3X1 000	1983 PRODUCTION DAILY AVERAGE M3/DAY
					---------------M3 X 1 000 000			---------------			
BENCH											
UPPER SHAUNAVON	4.870	6.80	0.00	6.80	0.331	0.000	0.331	0.189	0.142	16.882	50.7
BEVERLEY											
CANTUAR SAND	6.638	6.20	2.30	8.50	0.412	0.153	0.565	0.347	0.218	26.028	66.0
BEVERLEY NORTH											
CANTUAR SAND	7.551	4.00	0.00	4.00	0.302	0.000	0.302	0.141	0.161	19.459	45.9
BEVERLEY											
UPPER ROSERAY SAND (BEV. UNIT NO. 1)	4.031	15.00	28.20	43.20	0.605	1.137	1.742	1.503	0.239	21.946	60.7
UPPER ROSERAY SAND (NON-UNIT)	0.476	14.90	0.00	14.90	0.071	0.000	0.071	0.042	0.029	4.213	10.5
BONE CREEK											
UPPER SHAUNAVON (UNIT)	12.677	5.00	14.50	19.50	0.634	1.838	2.472	2.209	0.263	41.133	108.7
BUTTE											
UPPER SHAUNAVON (VOLUNTARY UNIT)	7.764	5.50	11.50	17.00	0.427	0.893	1.320	0.670	0.650	36.506	101.8
CANTUAR EAST											
CANTUAR SAND (UNIT NO. 1)	4.822	3.10	2.00	5.10	0.149	0.096	0.245	0.145	0.100	10.676	30.8
CANTUAR SAND (UNIT NO. 2)	0.814	1.60	0.00	1.60	0.013	0.000	0.013	0.010	0.003	0.637	1.3
CANTUAR EAST											
ROSERAY SAND (UNIT NO. 1)	2.907	6.80	4.00	10.80	0.198	0.116	0.314	0.187	0.127	7.784	17.9
ROSERAY SAND (UNIT NO. 2)	1.994	11.40	2.80	14.20	0.227	0.056	0.283	0.212	0.071	5.592	14.4
ROSERAY SAND (NON-UNIT)	0.014	1.00	0.00	1.00	0.000	0.000	0.000	0.000	0.000	0.000	0.0
CANTUAR											
LOWER ROSERAY SAND (CANTUAR UNIT)	13.922	12.50	0.00	12.50	1.740	0.000	1.740	1.435	0.305	12.273	36.0
LOWER ROSERAY SAND (NON-UNIT)	0.032	0.50	0.00	0.50	0.000	0.000	0.000	0.000	0.000	0.000	0.0
CANTUAR MAIN											
CANTUAR SAND (CANTUAR UNIT)	22.108	8.70	10.40	19.10	1.923	2.299	4.222	3.588	0.634	97.176	263.0
CANTUAR SAND (NON-UNIT)	0.112	5.00	0.00	5.00	0.006	0.000	0.006	0.001	0.005	0.596	1.9
CLINTONVILLE											
SHAUNAVON	2.302	3.50	0.00	3.50	0.081	0.000	0.081	0.051	0.030	2.239	5.4
COVINGTON											
UPPER SHAUNAVON (COV. UNIT NO. 1)	1.073	14.00	5.50	19.50	0.150	0.059	0.209	0.206	0.003	1.072	2.0
COVINGTON WEST											
UPPER SHAUNAVON	0.834	10.30	0.00	10.30	0.086	0.000	0.086	0.070	0.016	3.622	11.3
DELTA											
UPPER SHAUNAVON (DELTA UNIT NO. 1)	9.396	12.00	13.20	25.20	1.128	1.240	2.368	2.094	0.274	28.141	67.5
UPPER SHAUNAVON (DELTA UNIT NO. 2)	2.537	7.00	6.60	13.60	0.178	0.167	0.345	0.304	0.041	7.135	24.0
UPPER SHAUNAVON (NON-UNIT)	1.699	7.00	0.00	7.00	0.119	0.000	0.119	0.075	0.044	4.022	9.8
DOLLARD											
UPPER SHAUNAVON (UNIT)	26.078	20.00	29.50	49.50	5.216	7.693	12.909	12.266	0.643	142.342	404.7
UPPER SHAUNAVON (E. DOLL. VOL UNIT)	1.651	20.00	19.00	39.00	0.330	0.314	0.644	0.522	0.122	17.181	45.4
UPPER SHAUNAVON (NON-UNIT)	0.585	15.50	0.00	15.50	0.091	0.000	0.091	0.087	0.004	1.702	4.3
EASTBROOK											
UPPER SHAUNAVON	0.482	11.90	0.00	11.90	0.057	0.000	0.057	0.029	0.028	1.314	6.9
EASTEND											
SHAUNAVON	4.191	3.00	0.00	3.00	0.126	0.000	0.126	0.058	0.068	3.052	7.4
FOSTERTON											
ROSERAY SAND (MAIN UNIT)	22.040	17.00	26.20	43.20	3.747	5.774	9.521	8.410	1.111	54.174	171.3
ROSERAY SAND (N.W. UNIT)	1.975	11.00	19.80	30.80	0.217	0.391	0.608	0.524	0.084	8.038	24.8
ROSERAY SAND (W. FOST. VOL UNIT)	1.219	11.00	29.00	40.00	0.134	0.354	0.488	0.429	0.059	5.356	19.3
GULL LAKE											
BASAL CANTUAR SAND (VOL UNIT NO. 1)	1.911	4.80	12.20	17.00	0.092	0.233	0.325	0.226	0.099	11.836	22.4
BASAL CANTUAR SAND (JOHNSTON UNIT)	1.034	6.50	7.70	14.20	0.067	0.080	0.147	0.127	0.020	1.674	8.8
BASAL CANTUAR SAND (NON-UNIT)	0.474	7.40	0.00	7.40	0.035	0.000	0.035	0.030	0.005	0.125	0.0
GULL LAKE CENTRAL											
UPPER SHAUNAVON (VOL UNIT NO. 1)	0.616	24.00	19.00	43.00	0.148	0.117	0.265	0.186	0.079	6.626	14.0
UPPER SHAUNAVON (NON-UNIT)	0.548	23.00	0.00	23.00	0.126	0.000	0.126	0.087	0.039	5.278	20.5
GULL LAKE NORTH											
UPPER SHAUNAVON (UNIT)	6.816	10.00	35.50	45.50	0.682	2.420	3.102	2.901	0.201	34.459	108.3
UPPER SHAUNAVON (NON-UNIT)	0.538	10.00	0.00	10.00	0.054	0.000	0.054	0.029	0.025	1.900	6.3

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
										BENCH	
0.128	1.619	2.35	16.0	15.0	1.064	915	1 347	JURASSIC	1969		UPPER SHAUNAVON
										BEVERLEY	
0.113	1.182	4.97	22.6	46.1	1.076	920	991	CRETACEOUS	1969		CANTUAR SAND
										BEVERLEY NORTH	
0.118	0.842	7.60	23.0	45.0	1.076	932	969	CRETACEOUS	1967		CANTUAR SAND
										BEVERLEY	
0.161	0.805	3.11	28.0	38.8	1.063	926	983	JURASSIC	1952		UPPER ROSERAY SAND (BEV. UNIT NO. 1)
0.161	0.097	3.05	28.0	38.8	1.063	929	--	--	--		UPPER ROSERAY SAND (NON-UNIT)
										BONE CREEK	
0.123	2.226	4.63	13.8	5.0	1.064	914	1 341	JURASSIC	1954		UPPER SHAUNAVON (UNIT)
										BUTTE	
0.164	2.505	1.89	22.8	25.0	1.041	914	1 338	JURASSIC	1967		UPPER SHAUNAVON (VOLUNTARY UNIT)
										CANTUAR EAST	
0.122	0.763	5.18	23.3	43.6	1.079	920	964	CRETACEOUS	1956		CANTUAR SAND (UNIT NO. 1)
0.122	0.146	4.57	23.3	43.6	1.079	929	--	--	--		CANTUAR SAND (UNIT NO. 2)
										CANTUAR EAST	
0.145	0.716	2.80	26.0	40.0	1.079	933	983	JURASSIC	1952		ROSERAY SAND (UNIT NO. 1)
0.145	0.502	2.74	26.0	40.0	1.079	938	--	--	--		ROSERAY SAND (UNIT NO. 2)
0.145	0.008	1.22	26.0	40.0	1.079	--	--	--	--		ROSERAY SAND (NON-UNIT)
										CANTUAR	
0.190	2.765	2.65	27.2	24.6	1.079	964	990	JURASSIC	1952		LOWER ROSERAY SAND (CANTUAR UNIT)
0.190	0.008	2.13	27.2	24.6	1.079	--	--	--	--		LOWER ROSERAY SAND (NON-UNIT)
										CANTUAR MAIN	
0.138	3.166	5.06	26.4	43.6	1.079	922	975	CRETACEOUS	1952		CANTUAR SAND (CANTUAR UNIT)
0.138	0.016	5.05	26.4	43.6	1.079	918	--	--	--		CANTUAR SAND (NON-UNIT)
										CLINTONVILLE	
0.097	0.389	6.10	13.7	25.0	1.064	915	1362	JURASSIC	1953		SHAUNAVON
										COVINGTON	
0.117	0.376	2.44	15.5	22.0	1.036	894	1 330	JURASSIC	1966		UPPER SHAUNAVON (COV. UNIT NO. 1)
										COVINGTON WEST	
0.066	0.259	4.88	11.8	25.0	1.333	906	1 336	JURASSIC	1969		UPPER SHAUNAVON
										DELTA	
0.136	2.159	3.20	20.4	28.5	1.074	914	1 065	JURASSIC	1956		UPPER SHAUNAVON (DELTA UNIT NO. 1)
0.093	0.716	3.81	20.0	50.0	1.074	--	--	--	--		UPPER SHAUNAVON (DELTA UNIT NO. 2)
0.099	0.469	3.66	21.2	50.0	1.074	--	--	--	--		UPPER SHAUNAVON (NON-UNIT)
										DOLLARD	
0.162	3.642	4.42	20.0	12.0	1.087	914	1 402	JURASSIC	1953		UPPER SHAUNAVON (UNIT)
0.110	0.462	3.20	17.2	30.6	1.087	--	--	--	--		UPPER SHAUNAVON (E. DOLL. VOL UNIT)
0.169	0.081	4.27	20.9	12.0	1.087	--	--	--	--		UPPER SHAUNAVON (NON-UNIT)
										EASTBROOK	
0.095	0.098	5.18	13.6	25.0	1.075	926	1 420	JURASSIC	1966		UPPER SHAUNAVON
										EASTEND	
0.088	0.599	7.95	12.1	20.0	1.099	927	1 457	JURASSIC	1952		SHAUNAVON
										FOSTERTON	
0.222	1.012	9.81	28.8	19.0	1.053	907	975	CRET.-JUR.	1952		ROSERAY SAND (MAIN UNIT)
0.225	0.104	8.44	28.8	19.0	1.035	933	--	--	--		ROSERAY SAND (N.W. UNIT)
0.166	0.146	5.03	25.0	30.0	1.053	--	--	--	--		ROSERAY SAND (W. FOST. VOL UNIT)
										GULL LAKE	
0.173	0.377	2.93	26.5	30.0	1.075	914	1 100	CRETACEOUS	1953		BASAL CANTUAR SAND (VOL UNIT NO. 1)
0.119	0.132	6.58	21.1	39.5	1.076	--	--	--	--		BASAL CANTUAR SAND (JOHNSTON UNIT)
0.118	0.061	6.58	21.0	39.5	1.076	927	--	--	--		BASAL CANTUAR SAND (NON-UNIT)
										GULL LAKE CENTRAL	
0.084	0.453	1.62	16.9	46.5	1.080	914	1 194	JURASSIC	1953		UPPER SHAUNAVON (VOL UNIT NO. 1)
0.084	0.388	1.68	16.9	46.5	1.080	907	--	--	--		UPPER SHAUNAVON (NON-UNIT)
										GULL LAKE NORTH	
0.141	1.230	3.93	19.4	25.0	1.031	964	1 158	JURASSIC	1953		UPPER SHAUNAVON (UNIT)
0.141	0.097	3.93	19.4	25.0	1.031	920	--	--	--		UPPER SHAUNAVON (NON-UNIT)

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY PRIMARY	ENHANCED	TOTAL	INITIAL RESERVES PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION YEARLY TOTAL M3X1 000	DAILY AVERAGE M3/DAY
		PER CENT			---------------M3 X 1 000 000---------------						
GULL LAKE SOUTH											
UPPER SHAUNAVON	1.939	6.70	0.00	6.70	0.130	0.000	0.130	0.115	0.015	3.970	9.0
HAZLET											
ROSERAY SAND (UNIT)	1.741	24.00	0.00	24.00	0.418	0.000	0.418	0.381	0.037	6.095	13.8
ROSERAY SAND (NON-UNIT)	0.063	0.50	0.00	0.50	0.000	0.000	0.000	0.000	0.000	0.000	0.0
ILLERBRUN											
UPPER SHAUNAVON (VOLUNTARY UNIT)	3.169	16.60	14.00	30.60	0.526	0.444	0.970	0.877	0.093	19.719	55.4
UPPER SHAUNAVON (NON-UNIT)	0.265	3.00	0.00	3.00	0.009	0.000	0.009	0.006	0.003	0.000	0.0
INSTOW											
UPPER SHAUNAVON (UNIT)	24.430	8.70	24.20	32.90	2.125	5.912	8.037	7.055	0.982	129.469	360.8
UPPER SHAUNAVON (NON-UNIT)	1.128	9.00	0.00	9.00	0.102	0.000	0.102	0.002	0.100	1.372	40.5
JOHNSTON											
UPPER SHAUNAVON (JOHNSTON UNIT)	0.201	17.50	0.00	17.50	0.035	0.000	0.035	0.033	0.002	0.732	6.2
LEITCHVILLE											
SHAUNAVON (VOLUNTARY UNIT)	4.945	2.50	2.60	5.10	0.124	0.129	0.253	0.200	0.053	5.073	13.8
SHAUNAVON (NON-UNIT)	5.433	2.20	0.00	2.20	0.120	0.000	0.120	0.046	0.074	9.791	26.3
LEON LAKE											
SHAUNAVON	5.185	4.80	1.10	5.90	0.249	0.057	0.306	0.243	0.063	7.249	17.8
MAIN SUCCESS											
ROSERAY SAND (MAIN UNIT)	6.841	13.00	24.90	37.90	0.889	1.703	2.592	2.526	0.066	6.500	21.9
NORTH PREMIER											
ROSERAY SAND (UNIT NO. 1)	4.020	15.00	28.50	43.50	0.603	1.146	1.749	1.604	0.145	12.840	46.1
ROSERAY SAND (UNIT NO. 4)	4.634	15.00	31.70	46.70	0.695	1.469	2.164	2.043	0.121	20.548	49.1
ROSERAY SAND (NON-UNIT)	0.392	10.00	0.00	10.00	0.039	0.000	0.039	0.014	0.025	3.799	10.6
NORTH PREMIER											
UPPER SHAUNAVON (UNIT NO. 1)	0.324	6.00	0.00	6.00	0.019	0.000	0.019	0.016	0.003	0.197	2.8
UPPER SHAUNAVON (VOLUNTARY UNIT)	0.883	6.00	8.00	14.00	0.053	0.071	0.124	0.102	0.022	4.633	11.0
UPPER SHAUNAVON (UNIT NO. 4)	4.147	4.60	6.10	10.70	0.191	0.253	0.444	0.256	0.188	9.201	22.4
UPPER SHAUNAVON (NON-UNIT)	0.659	9.00	0.00	9.00	0.059	0.000	0.059	0.038	0.021	2.876	7.1
PENNANT											
UPPER SHAUNAVON	1.123	8.00	0.00	8.00	0.090	0.000	0.090	0.066	0.024	4.294	12.3
RAPDAN											
UPPER SHAUNAVON (UNIT)	17.303	6.10	10.80	16.90	1.055	1.869	2.924	2.340	0.584	68.480	190.6
UPPER SHAUNAVON (N.RAPDAN VOL UNIT)	3.973	3.00	2.40	5.40	0.119	0.095	0.214	0.150	0.064	5.496	15.3
UPPER SHAUNAVON (VOL UNIT NO. 2)	1.689	3.80	11.50	15.30	0.064	0.194	0.258	0.112	0.146	9.492	23.4
UPPER SHAUNAVON (NON-UNIT)	0.235	3.80	0.00	3.80	0.009	0.000	0.009	0.004	0.005	0.722	1.7
RAPDAN WEST											
SHAUNAVON	3.674	5.00	0.00	5.00	0.184	0.000	0.184	0.111	0.073	8.498	23.9
SOUTH SUCCESS											
ROSERAY SAND (SOUTHWEST UNIT)	1.986	12.00	7.00	19.00	0.238	0.139	0.377	0.046	0.331	13.658	79.2
ROSERAY SAND (SUCCESS UNIT)	8.575	13.20	31.30	44.50	1.132	2.684	3.816	3.240	0.576	33.456	99.7
SUCCESS ALPHA											
ROSERAY SAND (ALPHA UNIT)	1.441	14.30	25.90	40.20	0.206	0.373	0.579	0.541	0.038	5.071	18.0
SUCCESS NORTH											
ROSERAY SAND	2.101	10.00	0.00	10.00	0.210	0.000	0.210	0.050	0.160	21.312	49.4
SUFFIELD											
ROSERAY SAND (UNIT NO.1)	1.883	15.00	46.80	61.80	0.282	0.881	1.163	1.011	0.152	39.893	110.7
ROSERAY SAND (UNIT NO. 3)	2.784	13.00	30.00	43.00	0.362	0.835	1.197	1.024	0.173	48.186	132.8
ROSERAY SAND (NON-UNIT)	0.107	1.00	0.00	1.00	0.001	0.000	0.001	0.000	0.001	0.000	0.0
SUFFIELD											
UPPER SHAUNAVON (UNIT NO. 2)	3.221	7.00	16.50	23.50	0.225	0.531	0.756	0.565	0.191	20.026	54.5
UPPER SHAUNAVON (UNIT NO. 3)	0.822	10.00	18.50	28.50	0.082	0.152	0.234	0.182	0.052	7.368	25.2
UPPER SHAUNAVON (NON-UNIT)	0.808	6.00	0.00	6.00	0.048	0.000	0.048	0.041	0.007	1.115	3.3
VERLO											
ROSERAY SAND (VERLO ROSERAY SD UNIT)	8.371	3.50	19.50	23.00	0.293	1.632	1.925	1.315	0.610	83.445	266.4
WHITEMUD											
UPPER SHAUNAVON	2.296	2.10	0.00	2.10	0.048	0.000	0.048	0.043	0.005	1.449	3.8
MISCELLANEOUS											
BASAL MANNVILLE SAND	0.506	2.00	0.00	2.00	0.010	0.000	0.010	0.009	0.001	0.001	0.0
CANTUAR SAND	8.732	3.50	0.00	3.50	0.306	0.000	0.306	0.253	0.053	8.915	20.5

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
										GULL LAKE SOUTH	
0.149	0.761	1.71	20.5	25.0	1.031	891	1 325	JURASSIC	1952		UPPER SHAUNAVON
										HAZLET	
0.173	0.191	5.27	23.0	21.0	1.050	920	963	JURASSIC	1963		ROSERAY SAND (UNIT)
0.173	0.016	2.29	23.0	21.0	1.050	--	--	--	--		ROSERAY SAND (NON-UNIT)
										ILLERBRUN	
0.140	0.688	3.29	19.0	22.0	1.057	885	1 280	JURASSIC	1965		UPPER SHAUNAVON (VOLUNTARY UNIT)
0.120	0.065	3.66	16.3	22.0	1.057	--	--	--	--		UPPER SHAUNAVON (NON-UNIT)
										INSTOW	
0.123	4.244	4.68	13.8	5.0	1.064	914	1 371	JURASSIC	1954		UPPER SHAUNAVON (UNIT)
0.099	0.161	7.08	11.1	5.0	1.064	922	--	--	--		UPPER SHAUNAVON (NON-UNIT)
										JOHNSTON	
0.135	0.061	2.44	16.4	15.0	1.031	914	1 188	JURASSIC	1953		UPPER SHAUNAVON (JOHNSTON UNIT)
										LEITCHVILLE	
0.110	0.971	4.63	15.7	25.6	1.064	914	1 371	JURASSIC	1960		SHAUNAVON (VOLUNTARY UNIT)
0.107	0.842	6.03	12.6	10.0	1.064	923	--	--	--		SHAUNAVON (NON-UNIT)
										LEON LAKE	
0.151	0.970	3.54	17.3	5.0	1.091	922	1 371	JURASSIC	1953		SHAUNAVON
										MAIN SUCCESS	
0.197	0.770	4.51	26.8	19.9	1.087	914	975	JURASSIC	1952		ROSERAY SAND (MAIN UNIT)
										NORTH PREMIER	
0.237	0.364	4.66	32.9	25.0	1.042	968	1 005	JURASSIC	1953		ROSERAY SAND (UNIT NO. 1)
0.164	0.635	4.45	26.7	35.8	1.046	--	--	--	--		ROSERAY SAND (UNIT NO. 4)
0.237	0.032	5.17	32.9	25.0	1.042	917	--	--	--		ROSERAY SAND (NON-UNIT)
										NORTH PREMIER	
0.109	0.065	4.57	16.1	25.0	1.111	914	1 066	JURASSIC	1953		UPPER SHAUNAVON (UNIT NO. 1)
0.112	0.291	2.71	19.2	40.0	1.025	--	--	--	--		UPPER SHAUNAVON (VOLUNTARY UNIT)
0.099	1.309	3.20	19.0	45.0	1.053	--	--	--	--		UPPER SHAUNAVON (UNIT NO. 4)
0.099	0.162	4.11	19.0	45.0	1.053	--	--	--	--		UPPER SHAUNAVON (NON-UNIT)
										PENNANT	
0.128	0.364	2.41	18.0	25.0	1.053	928	990	JURASSIC	1965		UPPER SHAUNAVON
										RAPDAN	
0.136	2.784	4.57	15.4	5.0	1.078	914	1 402	JURASSIC	1953		UPPER SHAUNAVON (UNIT)
0.158	0.497	5.06	17.7	5.0	1.064	--	--	--	--		UPPER SHAUNAVON (N.RAPDAN VOL UNIT)
0.115	0.259	5.67	13.7	9.5	1.075	--	--	--	--		UPPER SHAUNAVON (VOL UNIT NO. 2)
0.148	0.065	2.44	16.6	5.0	1.064	919	--	--	--		UPPER SHAUNAVON (NON-UNIT)
										RAPDAN WEST	
0.134	0.841	3.26	15.0	5.0	1.064	921	1 407	JURASSIC	1955		SHAUNAVON
										SOUTH SUCCESS	
0.157	0.502	2.52	24.1	30.0	1.075	934	975	JURASSIC	1953		ROSERAY SAND (SOUTHWEST UNIT)
0.193	0.732	6.07	27.4	23.4	1.089	914	--	--	--		ROSERAY SAND (SUCCESS UNIT)
										SUCCESS ALPHA	
0.178	0.176	4.60	24.8	22.9	1.075	920	975	JURASSIC	1953		ROSERAY SAND (ALPHA UNIT)
										SUCCESS NORTH	
0.148	0.259	5.48	22.7	30.0	1.075	929	966	JURASSIC	1966		ROSERAY SAND
										SUFFIELD	
0.171	0.341	3.23	26.0	29.3	1.078	919	1 036	JURASSIC	1954		ROSERAY SAND (UNIT NO.1)
0.157	0.593	2.99	26.0	35.0	1.078	--	--	--	--		ROSERAY SAND (UNIT NO. 3)
0.157	0.032	2.13	26.0	35.0	1.078	--	--	--	--		ROSERAY SAND (NON-UNIT)
										SUFFIELD	
0.128	0.699	3.60	17.6	25.0	1.031	914	1 097	JURASSIC	1954		UPPER SHAUNAVON (UNIT NO. 2)
0.152	0.269	2.01	21.2	25.0	1.048	--	--	--	--		UPPER SHAUNAVON (UNIT NO. 3)
0.124	0.178	3.66	17.0	25.0	1.031	937	--	--	--		UPPER SHAUNAVON (NON-UNIT)
										VERLO	
0.181	0.898	5.15	27.5	29.1	1.080	920	963	JURASSIC	1956		ROSERAY SAND (VERLO ROSERAY SD UNIT)
										WHITEMUD	
0.163	0.453	3.11	22.1	20.0	1.083	924	1 432	JURASSIC	1953		UPPER SHAUNAVON
										MISCELLANEOUS	
0.113	0.098	4.57	20.0	25.0	1.333	--	--	CRETACEOUS	--		BASAL MANNVILLE SAND
0.144	0.825	7.35	23.9	35.0	1.075	--	--	CRETACEOUS	--		CANTUAR SAND

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY			INITIAL RESERVES			CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION	
		PRIMARY	ENHANCED	TOTAL	PRIMARY	ENHANCED	TOTAL			YEARLY TOTAL M3X1 000	DAILY AVERAGE M3/DAY
			PER CENT		---------------M3 X 1 000 000---------------						
GRAVELBOURG	0.201	8.00	0.00	8.00	0.016	0.000	0.016	0.011	0.005	1.178	3.0
PREMIER SAND (N. PREMIER UNIT NO. 2)	0.232	15.00	12.00	27.00	0.035	0.028	0.063	0.058	0.005	0.712	2.2
ROSERAY SAND	8.787	5.00	0.00	5.00	0.439	0.000	0.439	0.275	0.164	21.066	62.9
LOWER ROSERAY	0.065	1.90	0.00	1.90	0.001	0.000	0.001	0.001	0.000	0.000	0.0
UPPER ROSERAY	0.144	3.50	0.00	3.50	0.005	0.000	0.005	0.004	0.001	0.158	0.7
SHAUNAVON	0.130	0.50	0.00	0.50	0.001	0.000	0.001	0.000	0.001	0.000	0.0
LOWER SHAUNAVON	1.226	5.00	0.00	5.00	0.061	0.000	0.061	0.047	0.014	1.880	4.3
UPPER SHAUNAVON	10.153	4.20	0.00	4.20	0.426	0.000	0.426	0.260	0.166	32.374	84.7
TOTAL AREA III MEDIUM	391.997				36.682	52.953	89.635	74.294	15.341	1621.741	4636.8
AREA IV - MEDIUM											
BENSON											
MIDALE (UNIT)	8.094	6.00	17.40	23.40	0.486	1.408	1.894	1.388	0.506	40.457	107.4
MIDALE (VOLUNTARY UNIT NO. 1)	2.260	5.00	14.80	19.80	0.113	0.334	0.447	0.341	0.106	10.937	29.5
MIDALE (NON-UNIT)	3.270	8.50	0.00	8.50	0.278	0.000	0.278	0.181	0.097	9.403	23.8
BROMHEAD											
MIDALE	2.684	10.00	0.00	10.00	0.268	0.000	0.268	0.238	0.030	5.392	16.6
BRYANT											
FROBISHER	0.338	9.60	0.00	9.60	0.032	0.000	0.032	0.006	0.026	2.523	8.9
BRYANT											
MIDALE	2.265	4.50	0.00	4.50	0.102	0.000	0.102	0.026	0.076	6.055	18.3
FLAT LAKE											
RATCLIFFE (NON-UNIT)	0.190	10.00	0.00	10.00	0.019	0.000	0.019	0.003	0.016	0.903	2.3
FREESTONE											
FROBISHER-ALIDA	1.018	33.00	0.00	33.00	0.336	0.000	0.336	0.268	0.068	13.980	41.6
GRIFFIN											
FROBISHER	0.637	20.00	0.00	20.00	0.127	0.000	0.127	0.123	0.004	1.505	3.7
HANDSWORTH											
ALIDA	3.521	12.20	0.00	12.20	0.430	0.000	0.430	0.368	0.062	9.206	26.0
HARTAVEN											
FROBISHER-ALIDA	0.482	28.00	0.00	28.00	0.135	0.000	0.135	0.066	0.069	5.516	20.6
HOFFER											
RATCLIFFE LOWER POOL	1.270	17.00	0.00	17.00	0.216	0.000	0.216	0.210	0.006	0.822	2.3
HOFFER											
RATCLIFFE UPPER POOL	0.317	14.10	0.00	14.10	0.045	0.000	0.045	0.036	0.009	1.217	3.0
HUME											
FROBISHER	0.890	23.00	0.00	23.00	0.205	0.000	0.205	0.170	0.035	5.381	15.0
HUME											
MIDALE	1.126	13.00	0.00	13.00	0.146	0.000	0.146	0.126	0.020	5.867	14.9
HUMMINGBIRD											
RATCLIFFE (VOLUNTARY UNIT NO. 1)	4.115	10.00	5.70	15.70	0.411	0.235	0.646	0.458	0.188	15.201	42.5
HUNTOON											
FROBISHER	3.064	16.00	0.00	16.00	0.490	0.000	0.490	0.476	0.014	4.548	9.6
HUNTOON											
MIDALE (VOL. UNIT NO. 1)	4.439	5.00	3.80	8.80	0.222	0.169	0.391	0.275	0.116	9.284	23.6
MIDALE (NON-UNIT)	0.464	9.50	0.00	9.50	0.044	0.000	0.044	0.037	0.007	1.630	6.1
INGOLDSBY											
FROBISHER-ALIDA (NON-UNIT)	5.996	31.20	0.00	31.20	1.871	0.000	1.871	1.442	0.429	27.990	79.6
INNES											
FROBISHER	10.457	20.50	0.00	20.50	2.144	0.000	2.144	1.678	0.466	41.170	121.8
LAKE ALMA											
RATCLIFFE (VOLUNTARY UNIT)	1.822	17.00	38.70	55.70	0.310	0.705	1.015	0.587	0.428	26.649	81.4
LOST HORSE HILL											
FROBISHER-ALIDA (VOL UNIT NO. 1)	8.211	26.00	0.00	26.00	2.135	0.000	2.135	1.839	0.296	38.123	112.3
FROBISHER-ALIDA (NON-UNIT)	4.316	23.00	0.00	23.00	0.993	0.000	0.993	0.745	0.248	22.200	63.9
LOUGHEED											
MIDALE	4.746	13.80	0.00	13.80	0.655	0.000	0.655	0.461	0.194	14.524	37.1

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL PRODUCING HOSIZON
0.085	0.097	2.44	15.1	25.0	1.333	--	--	JURASSIC	--	GRAVELBOURG
0.221	0.075	1.40	30.8	25.0	1.046	--	--	CRETACEOUS	--	PREMIER SAND (N. PREMIER UNIT NO. 2)
0.174	0.886	5.70	23.8	25.0	1.026	--	--	JURASSIC	--	ROSERAY SAND
0.190	0.016	2.13	27.2	24.6	1.079	--	--	JURASSIC	--	LOWER ROSERAY
0.181	0.016	4.98	26.0	25.0	1.075	--	--	JURASSIC	--	UPPER ROSERAY
0.074	0.032	5.49	10.4	25.0	1.053	--	--	JURASSIC	--	SHAUNAVON
0.109	0.194	5.80	15.3	25.0	1.053	--	--	JURASSIC	--	LOWER SHAUNAVON
0.105	2.040	4.74	15.1	25.0	1.075	--	--	JURASSIC	--	UPPER SHAUNAVON
										AREA IV - MEDIUM
										BENSON
0.151	2.978	1.80	24.2	30.0	1.124	875	1 371	MISSISSIPPIAN	1956	MIDALE (UNIT)
0.151	1.117	1.34	24.3	30.0	1.124	--	--	--	--	MIDALE (VOLUNTARY UNIT NO. 1)
0.121	1.165	2.32	19.4	30.0	1.124	886	--	--	--	MIDALE (NON-UNIT)
										BROMHEAD
0.079	0.729	4.66	13.7	35.0	1.124	903	1 693	MISSISSIPPIAN	1965	MIDALE
										BRYANT
0.041	0.192	4.30	9.1	50.0	1.112	895	1 433	MISSISSIPPIAN	1979	FROBISHER
										BRYANT
0.137	1.102	1.50	28.5	46.0	1.125	904	1 406	MISSISSIPPIAN	1979	MIDALE
										FLAT LAKE
0.034	0.065	8.60	8.1	49.2	1.199	867	1 956	MISSISSIPPIAN	1965	RATCLIFFE (NON-UNIT)
										FREESTONE
0.059	0.822	2.10	12.2	35.0	1.333	879	1 180	MISSISSIPPIAN	1953	FROBISHER-ALIDA
										GRIFFIN
0.047	0.453	2.99	8.4	35.0	1.163	885	1 302	MISSISSIPPIAN	1958	FROBISHER
										HANDSWORTH
0.054	1.069	6.10	11.1	35.0	1.333	886	1 204	MISSISSIPPIAN	1964	ALIDA
										HARTAVEN
0.073	0.194	3.40	13.7	40.0	1.124	876	1 199	MISSISSIPPIAN	1965	FROBISHER-ALIDA
										HOFFER
0.072	0.259	6.81	13.9	35.0	1.250	869	1 935	MISSISSIPPIAN	1964	RATCLIFFE LOWER POOL
										HOFFER
0.071	0.130	3.43	13.7	35.0	1.250	875	1 927	MISSISSIPPIAN	1964	RATCLIFFE UPPER POOL
										HUME
0.052	0.453	3.78	9.0	35.0	1.124	883	1 350	MISSISSIPPIAN	1967	FROBISHER
										HUME
0.069	0.777	2.10	11.9	35.0	1.124	869	1 332	MISSISSIPPIAN	1968	MIDALE
										HUMMINGBIRD
0.087	0.442	10.70	14.0	30.6	1.117	870	1 890	MISSISSIPPIAN	1966	RATCLIFFE (VOLUNTARY UNIT NO. 1)
										HUNTOON
0.058	1.732	3.05	10.0	35.0	1.124	892	1 371	MISSISSIPPIAN	1957	FROBISHER
										HUNTOON
0.104	1.230	3.47	18.0	35.0	1.124	874	1 359	MISSISSIPPIAN	1957	MIDALE (VOL. UNIT NO. 1)
0.049	0.388	2.44	8.5	35.0	1.124	890	--	--	--	MIDALE (NON-UNIT)
										INGOLDSBY
0.079	1.150	6.60	13.0	30.0	1.155	876	1 089	MISSISSIPPIAN	1955	FROBISHER-ALIDA (NON-UNIT)
										INNES
0.056	1.750	10.67	10.0	35.0	1.163	891	1 333	MISSISSIPPIAN	1965	FROBISHER
										LAKE ALMA
0.128	0.354	4.02	23.5	40.0	1.098	874	1 981	MISSISSIPPIAN	1965	RATCLIFFE (VOLUNTARY UNIT)
										LOST HORSE HILL
0.077	0.583	18.29	15.3	45.0	1.093	848	1 173	MISSISSIPPIAN	1963	FROBISHER-ALIDA (VOL UNIT NO. 1)
0.082	0.680	7.74	15.3	40.0	1.124	897	--	--	--	FROBISHER-ALIDA (NON-UNIT)
										LOUGHEED
0.100	0.778	6.10	17.2	35.0	1.124	873	1 407	MISSISSIPPIAN	1959	MIDALE

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY PER CENT			INITIAL RESERVES M3 X 1 000 000			CUMULATIVE PRODUCTION Dec. 31/83 M3 X 1 000 000	REMAINING RESERVES M3 X 1 000 000	1983 PRODUCTION	
		PRIMARY	ENHANCED	TOTAL	PRIMARY	ENHANCED	TOTAL			YEARLY TOTAL M3X1 000	DAILY AVERAGE M3/DAY
MACOUN											
MIDALE	2.035	17.00	0.00	17.00	0.346	0.000	0.346	0.239	0.107	14.257	38.5
MACOUN WEST											
MIDALE	0.549	15.00	0.00	15.00	0.082	0.000	0.082	0.033	0.049	6.351	16.7
MELROSE											
FROBISHER-ALIDA	1.012	16.20	0.00	16.20	0.164	0.000	0.164	0.112	0.052	3.236	7.0
MIDALE											
CENTRAL-FROBISHER	3.703	27.00	0.00	27.00	1.000	0.000	1.000	0.870	0.130	8.349	24.0
MIDALE											
CENTRAL MIDALE (UNIT)	56.879	16.80	14.20	31.00	9.556	8.077	17.633	14.367	3.266	252.002	673.7
CENTRAL MIDALE (NON-UNIT)	8.627	16.80	0.00	16.80	1.449	0.000	1.449	1.053	0.396	52.133	138.2
MINARD											
MIDALE	0.268	5.60	0.00	5.60	0.015	0.000	0.015	0.004	0.011	1.167	2.6
MOOSE VALLEY											
TILSTON	0.736	9.40	0.00	9.40	0.069	0.000	0.069	0.058	0.011	3.889	16.1
NEPTUNE											
RATCLIFFE	3.571	12.00	0.00	12.00	0.429	0.000	0.429	0.226	0.203	13.637	39.3
NORTH HANDSWORTH											
ALIDA	1.702	24.00	0.00	24.00	0.408	0.000	0.408	0.283	0.125	12.020	33.8
OUNGRE											
RATCLIFFE (VOLUNTARY UNIT NO. 1)	14.521	9.00	4.80	13.80	1.307	0.697	2.004	0.974	1.030	43.661	125.7
RATCLIFFE (NON-UNIT)	1.690	11.50	0.00	11.50	0.194	0.000	0.194	0.058	0.136	10.185	28.1
RALPH											
MIDALE	2.367	5.80	0.00	5.80	0.137	0.000	0.137	0.115	0.022	6.595	14.8
STOUGHTON											
FROBISHER-ALIDA	1.119	33.00	0.00	33.00	0.369	0.000	0.369	0.305	0.064	7.177	20.0
STOUGHTON SOUTH											
FROBISHER	1.529	8.80	0.00	8.80	0.135	0.000	0.135	0.094	0.041	7.384	22.7
TATAGWA											
MIDALE	8.250	7.40	0.00	7.40	0.610	0.000	0.610	0.086	0.524	17.804	51.3
VIEWFIELD											
FROBISHER (NON-UNIT)	7.896	14.00	0.00	14.00	1.105	0.000	1.105	0.483	0.622	36.200	132.0
VIEW HILL											
MIDALE	0.684	25.80	0.00	25.80	0.176	0.000	0.176	0.142	0.034	3.095	8.7
WAPELLA											
WAPELLA SAND	3.538	44.80	0.00	44.80	1.585	0.000	1.585	1.099	0.486	32.199	129.5
WEIR HILL											
FROBISHER	0.963	5.90	0.00	5.90	0.057	0.000	0.057	0.046	0.011	1.498	5.0
WEST INNES											
FROBISHER	0.690	24.00	0.00	24.00	0.166	0.000	0.166	0.155	0.011	2.288	7.1
WEST KINGSFORD											
MIDALE (CULLEN UNIT)	0.889	49.00	0.00	49.00	0.436	0.000	0.436	0.403	0.033	5.713	16.1
MIDALE (NON-UNIT)	2.573	22.80	0.00	22.80	0.587	0.000	0.587	0.497	0.090	7.933	24.3
WEYBURN											
FROBISHER	3.479	15.50	0.00	15.50	0.539	0.000	0.539	0.372	0.167	15.660	64.2
WEYBURN											
MIDALE (UNIT)	177.001	13.50	16.20	29.70	23.895	28.674	52.569	40.016	12.553	668.744	1861.1
MIDALE (NON-UNIT)	12.194	12.30	0.00	12.30	1.500	0.000	1.500	1.017	0.483	60.634	179.0
MISCELLANEOUS											
ALIDA	0.283	19.80	0.00	19.80	0.056	0.000	0.056	0.038	0.018	2.331	5.4
FROBISHER	3.721	11.40	0.00	11.40	0.424	0.000	0.424	0.187	0.237	23.445	89.3
FROBISHER-ALIDA	0.194	3.50	0.00	3.50	0.007	0.000	0.007	0.007	0.000	0.000	0.0
JURASSIC	0.767	18.50	0.00	18.50	0.142	0.000	0.142	0.113	0.029	5.435	16.0
LOWER WATROUS	0.110	22.00	0.00	22.00	0.024	0.000	0.024	0.015	0.009	0.890	2.5
MIDALE	13.269	5.90	0.00	5.90	0.783	0.000	0.783	0.270	0.513	48.008	265.1
RATCLIFFE	2.207	14.90	0.00	14.90	0.329	0.000	0.329	0.163	0.166	9.760	37.1
TOTAL AREA IV MEDIUM	415.008				60.294	40.299	100.593	75.448	25.145	1704.167	5007.2

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
										MACOUN	
0.064	1.003	3.17	11.5	35.0	1.163	895	1 531	MISSISSIPPIAN	1969		MIDALE
										MACOUN WEST	
0.050	0.323	3.40	10.6	45.0	1.163	888	1 559	MISSISSIPPIAN	1970		MIDALE
										MELROSE	
0.070	0.259	5.58	14.2	45.0	1.124	878	1 169	MISSISSIPPIAN	1963		FROBISHER-ALIDA
										MIDALE	
0.055	1.052	6.40	12.3	50.0	1.124	881	1 411	MISSISSIPPIAN	1953		CENTRAL-FROBISHER
										MIDALE	
0.088	12.335	5.24	16.3	39.4	1.124	877	1 402	MISSISSIPPIAN	1953		CENTRAL MIDALE (UNIT)
0.097	2.916	3.05	17.0	36.0	1.124	883	--	--	--		CENTRAL MIDALE (NON-UNIT)
										MINARD	
0.131	0.128	1.60	29.5	45.0	1.234	905	1 340	MISSISSIPPIAN	1956		MIDALE
										MOOSE VALLEY	
0.072	0.129	7.92	13.3	40.0	1.111	909	1 163	MISSISSIPPIAN	1958		TILSTON
										NEPTUNE	
0.094	0.938	4.05	19.0	45.0	1.111	910	1 764	MISSISSIPPIAN	1967		RATCLIFFE
										NORTH HANDSWORTH	
0.048	0.776	4.57	9.9	35.0	1.333	885	1 176	MISSISSIPPIAN	1965		ALIDA
										OUNGRE	
0.080	2.784	6.52	17.9	45.0	1.230	867	1 828	MISSISSIPPIAN	1959		RATCLIFFE (VOLUNTARY UNIT NO. 1)
0.107	0.778	2.03	23.9	45.0	1.230	878	--	--	--		RATCLIFFE (NON-UNIT)
										RALPH	
0.064	0.744	4.97	11.0	35.0	1.124	863	1 315	MISSISSIPPIAN	1973		MIDALE
										STOUGHTON	
0.055	0.473	4.30	9.8	35.0	1.163	882	1 268	MISSISSIPPIAN	1960		FROBISHER-ALIDA
										STOUGHTON SOUTH	
0.036	0.518	8.20	7.6	45.0	1.163	892	1 265	MISSISSIPPIAN	1974		FROBISHER
										TATAGWA	
0.098	0.745	11.30	16.3	35.0	1.085	904	1 478	MISSISSIPPIAN	1977		MIDALE
										VIEWFIELD	
0.058	1.029	13.23	10.4	35.0	1.163	872	1 270	MISSISSIPPIAN	1969		FROBISHER (NON-UNIT)
										VIEW HILL	
0.051	0.259	5.18	11.5	50.0	1.129	885	1 539	MISSISSIPPIAN	1959		MIDALE
										WAPELLA	
0.173	0.616	3.32	25.0	30.0	1.010	906	701	CRET-JURASSIC	1952		WAPELLA SAND
										WEIR HILL	
0.053	0.178	10.21	10.8	35.0	1.333	87[illegible]	1 353	MISSISSIPPIAN	1968		FROBISHER
										WEST INNES	
0.050	0.259	5.33	9.0	35.0	1.163	893	1 335	MISSISSIPPIAN	1965		FROBISHER
										WEST KINGSFORD	
0.057	0.291	5.36	10.4	35.0	1.196	895	1 485	MISSISSIPPIAN	1955		MIDALE (CULLEN UNIT)
0.063	0.744	5.49	11.6	35.0	1.205	882	--	--	--		MIDALE (NON-UNIT)
										WEYBURN	
0.055	1.100	5.75	10.3	40.0	1.124	876	1 417	MISSISSIPPIAN	1954		FROBISHER
										WEYBURN	
0.105	21.529	7.83	17.2	31.7	1.124	884	1 399	MISSISSIPPIAN	1954		MIDALE (UNIT)
0.106	3.143	3.66	17.2	31.0	1.124	877	--	--	--		MIDALE (NON-UNIT)
										MISCELLANEOUS	
0.068	0.065	6.40	14.0	35.0	1.333	880	--	MISSISSIPPIAN	--		ALIDA
0.035	1.329	8.00	7.8	50.0	1.124	885	--	MISSISSIPPIAN	--		FROBISHER
0.049	0.065	6.10	10.0	35.0	1.333	874	--	MISSISSIPPIAN	--		FROBISHER-ALIDA
0.173	0.097	4.57	25.0	30.0	1.010	897	--	JURASSIC	--		JURASSIC
0.105	0.049	2.13	18.7	25.0	1.333	--	--	JURASSIC	--		LOWER WATROUS
0.058	1.860	12.30	13.0	50.0	1.124	885	--	MISSISSIPPIAN	--		MIDALE
0.045	0.519	9.45	9.3	35.0	1.333	869	--	MISSISSIPPIAN	--		RATCLIFFE

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY PRIMARY	ESTIMATED RECOVERY ENHANCED	ESTIMATED RECOVERY TOTAL	INITIAL RESERVES PRIMARY	INITIAL RESERVES ENHANCED	INITIAL RESERVES TOTAL	CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983PRODUCTION YEARLY TOTAL M3X1 000	1983PRODUCTION DAILY AVERAGE M3/DAY
			PER CENT		---------------M3 X 1 000 000---------------						
AREA IV - LIGHT											
ALAMEDA											
MIDALE (CENTRAL UNIT)	1.170	11.70	24.90	36.60	0.137	0.291	0.428	0.360	0.068	7.735	18.1
MIDALE (EAST UNIT)	4.844	16.00	21.50	37.50	0.775	1.041	1.816	1.415	0.401	28.862	87.4
MIDALE (NORTH UNIT)	0.999	12.00	16.50	28.50	0.120	0.165	0.285	0.243	0.042	4.087	12.4
MIDALE (SOUTH UNIT)	1.791	13.30	11.20	24.50	0.238	0.201	0.439	0.391	0.048	7.485	16.4
MIDALE (NON-UNIT)	2.212	12.50	0.00	12.50	0.276	0.000	0.276	0.117	0.159	14.015	45.2
ALIDA EAST											
ALIDA (UNIT)	11.254	17.70	0.00	17.70	1.992	0.000	1.992	1.735	0.257	24.639	70.4
ALIDA (NON-UNIT)	0.314	11.00	0.00	11.00	0.035	0.000	0.035	0.029	0.006	1.161	3.0
ALIDA WEST											
ALIDA	9.113	22.00	0.00	22.00	2.005	0.000	2.005	1.699	0.306	36.037	98.4
ARCOLA											
FROBISHER-ALIDA	5.419	19.40	0.00	19.40	1.051	0.000	1.051	0.842	0.209	27.049	77.3
BIENFAIT											
MIDALE BEDS	2.279	16.00	0.00	16.00	0.365	0.000	0.365	0.059	0.306	32.104	92.7
BROWNING											
FROBISHER-ALIDA	6.279	17.20	0.00	17.20	1.080	0.000	1.080	0.761	0.319	28.115	79.6
CANTAL											
FROBISHER-ALIDA (VOL UNIT NO. 1)	0.183	43.00	0.00	43.00	0.079	0.000	0.079	0.043	0.036	2.807	9.0
FROBISHER-ALIDA (NON-UNIT)	1.906	42.00	0.00	42.00	0.801	0.000	0.801	0.724	0.077	12.357	32.5
CARNDUFF											
FROBISHER	2.888	21.50	0.00	21.50	0.621	0.000	0.621	0.485	0.136	8.800	27.7
CARNDUFF											
MIDALE (EAST UNIT)	7.617	15.00	21.50	36.50	1.143	1.638	2.781	2.587	0.194	34.230	93.0
MIDALE (WEST UNIT)	3.448	13.00	29.00	42.00	0.448	1.000	1.448	1.383	0.065	12.761	31.3
MIDALE (VOLUNTARY UNIT NO. 1)	0.417	5.20	9.20	14.40	0.022	0.038	0.060	0.045	0.015	2.170	5.4
MIDALE (NON-UNIT)	1.547	13.80	4.00	17.80	0.213	0.062	0.275	0.190	0.085	10.450	28.3
CLARILAW											
FROBISHER-ALIDA (KISBEY VOL UNIT)	0.519	22.50	0.00	22.50	0.117	0.000	0.117	0.083	0.034	4.260	12.7
FROBISHER-ALIDA (NON-UNIT)	0.511	25.50	0.00	25.50	0.130	0.000	0.130	0.082	0.048	5.585	18.6
CRYSTAL HILL											
SOURIS VALLEY	0.990	7.20	0.00	7.20	0.071	0.000	0.071	0.065	0.006	2.118	6.5
DALESBORO											
FROBISHER-ALIDA	0.174	15.00	0.00	15.00	0.026	0.000	0.026	0.025	0.001	0.462	1.1
EAST PINTO											
FROBISHER	0.024	5.00	0.00	5.00	0.001	0.000	0.001	0.000	0.001	0.000	0.0
EAST PINTO											
MIDALE	0.046	6.00	0.00	6.00	0.003	0.000	0.003	0.002	0.001	0.322	1.0
EDENVALE											
TILSTON	0.729	9.30	0.00	9.30	0.068	0.000	0.068	0.060	0.008	1.565	4.4
ELMORE											
FROBISHER (VOLUNTARY UNIT)	4.963	28.00	12.70	40.70	1.390	0.630	2.020	1.601	0.419	45.374	116.6
FROBISHER (NON-UNIT)	0.960	4.60	0.00	4.60	0.044	0.000	0.044	0.016	0.028	2.208	6.0
ELMORE											
MIDALE	0.294	22.50	0.00	22.50	0.066	0.000	0.066	0.061	0.005	1.156	4.1
FLAT LAKE											
RATCLIFFE (VOLUNTARY UNIT NO. 1)	8.216	10.00	15.80	25.80	0.822	1.298	2.120	1.386	0.734	71.725	185.3
RATCLIFFE (NON-UNIT)	0.338	10.00	0.00	10.00	0.034	0.000	0.034	0.001	0.033	1.473	4.9
FLORENCE											
FROBISHER	0.568	20.50	0.00	20.50	0.116	0.000	0.116	0.105	0.011	1.981	4.8
FREDA LAKE											
RATCLIFFE	8.923	9.00	0.00	9.00	0.803	0.000	0.803	0.372	0.431	25.989	70.2
FRYS											
TILSTON-SOURIS VALLEY	2.411	5.00	0.00	5.00	0.121	0.000	0.121	0.088	0.033	4.460	10.8
GAINSBOROUGH											
FROBISHER-ALIDA (VOL UNIT)	1.089	10.00	2.70	12.70	0.109	0.029	0.138	0.122	0.016	2.950	8.2
FROBISHER-ALIDA (NON-UNIT)	2.024	5.50	0.00	5.50	0.111	0.000	0.111	0.096	0.015	4.198	10.9

AREA IV - LIGHT

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
										ALAMEDA	
0.068	0.680	2.53	16.3	42.8	1.376	823	1 347	MISSISSIPPIAN	1956		MIDALE (CENTRAL UNIT)
0.074	2.363	2.77	17.2	40.8	1.376	826	--	--	--		MIDALE (EAST UNIT)
0.069	0.421	3.44	16.6	42.7	1.376	--	--	--	--		MIDALE (NORTH UNIT)
0.059	0.906	3.35	14.5	45.0	1.351	--	--	--	--		MIDALE (SOUTH UNIT)
0.063	1.211	2.90	15.0	42.0	1.376	842	--	--	--		MIDALE (NON-UNIT)
										ALIDA EAST	
0.087	1.619	7.99	16.5	30.0	1.333	824	1 122	MISSISSIPPIAN	1954		ALIDA (UNIT)
0.081	0.049	7.92	16.7	35.0	1.333	--	--	--	--		ALIDA (NON-UNIT)
										ALIDA WEST	
0.074	1.263	9.75	14.3	31.0	1.333	836	1 143	MISSISSIPPIAN	1955		ALIDA
										ARCOLA	
0.080	1.214	5.58	15.5	35.0	1.266	854	1 199	MISSISSIPPIAN	1964		FROBISHER-ALIDA
										BIENFAIT	
0.045	0.291	17.40	8.2	35.0	1.176	852	1 589	MISSISSIPPIAN	1980		MIDALE BEDS
										BROWNING	
0.063	1.392	7.16	13.0	35.0	1.333	853	1 280	MISSISSIPPIAN	1957		FROBISHER-ALIDA
										CANTAL	
0.032	0.097	5.91	6.9	35.0	1.393	823	1 196	MISSISSIPPIAN	1956		FROBISHER-ALIDA (VOL UNIT NO. 1)
0.047	0.761	5.33	10.0	35.0	1.393	834	--	--	--		FROBISHER-ALIDA (NON-UNIT)
										CARNDUFF	
0.071	0.890	4.57	14.5	35.0	1.333	854	1 298	MISSISSIPPIAN	1956		FROBISHER
										CARNDUFF	
0.076	5.568	1.80	14.4	30.0	1.333	844	1 280	MISSISSIPPIAN	1955		MIDALE (EAST UNIT)
0.068	2.104	2.41	12.9	30.0	1.333	844	--	--	--		MIDALE (WEST UNIT)
0.062	0.214	3.14	11.9	30.0	1.333	--	--	--	--		MIDALE (VOLUNTARY UNIT NO. 1)
0.072	1.009	2.13	14.4	33.0	1.333	835	--	--	--		MIDALE (NON-UNIT)
										CLARILAW	
0.059	0.162	5.43	11.4	35.0	1.250	843	1 234	MISSISSIPPIAN	1963		FROBISHER-ALIDA (KISBEY VOL UNIT)
0.057	0.210	4.27	11.7	35.0	1.333	858	--	--	--		FROBISHER-ALIDA (NON-UNIT)
										CRYSTAL HILL	
0.059	0.324	5.18	11.0	40.0	1.111	861	1 113	MISSISSIPPIAN	1966		SOURIS VALLEY
										DALESBORO	
0.055	0.065	4.88	11.2	35.0	1.333	853	1 261	MISSISSIPPIAN	1966		FROBISHER-ALIDA
										EAST PINTO	
0.045	0.032	1.68	9.2	35.0	1.333	--	1 542	MISSISSIPPIAN	1974		FROBISHER
										EAST PINTO	
0.043	0.032	3.35	10.4	45.0	1.333	--	1 538	MISSISSIPPIAN	1974		MIDALE
										EDENVALE	
0.075	0.162	6.00	13.8	40.0	1.111	853	1 126	MISSISSIPPIAN	1970		TILSTON
										ELMORE	
0.081	0.874	7.01	15.9	41.1	1.162	871	1 219	MISSISSIPPIAN	1961		FROBISHER (VOLUNTARY UNIT)
0.064	0.226	6.64	13.5	45.0	1.162	875	--	--	--		FROBISHER (NON-UNIT)
										ELMORE	
0.056	0.194	2.71	11.4	35.0	1.333	841	1 204	MISSISSIPPIAN	1961		MIDALE
										FLAT LAKE	
0.060	2.428	5.64	14.1	49.2	1.199	865	1 956	MISSISSIPPIAN	1965		RATCLIFFE (VOLUNTARY UNIT NO. 1)
0.065	0.065	8.00	12.5	35.0	1.250	848	--	--	--		RATCLIFFE (NON-UNIT)
										FLORENCE	
0.062	0.259	3.54	12.7	35.0	1.333	843	1 290	MISSISSIPPIAN	1965		FROBISHER
										FREDA LAKE	
0.123	1.748	4.15	24.9	45.0	1.111	870	1 694	MISSISSIPPIAN	1967		RATCLIFFE
										FRYS	
0.074	0.243	13.41	13.7	40.0	1.111	846	974	MISSISSIPPIAN	1958		TILSTON-SOURIS VALLEY
										GAINSBOROUGH	
0.070	0.243	6.40	11.5	30.0	1.149	858	1 072	MISSISSIPPIAN	1956		FROBISHER-ALIDA (VOL UNIT)
0.080	0.388	6.52	13.2	30.0	1.149	865	--	--	--		FROBISHER-ALIDA (NON-UNIT)

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY PER CENT			INITIAL RESERVES ---------------M3 X 1 000 000---------------			CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION	
		PRIMARY	ENHANCED	TOTAL	PRIMARY	ENHANCED	TOTAL			YEARLY TOTAL M3X1 000	DAILY AVERAGE M3/DAY
GLEN EWEN											
FROBISHER	1.349	12.50	0.00	12.50	0.169	0.000	0.169	0.118	0.051	6.251	15.4
GLEN EWEN											
MIDALE (UNIT)	6.007	11.00	7.00	18.00	0.661	0.420	1.081	0.962	0.119	12.911	36.6
MIDALE (NON-UNIT)	0.309	3.00	0.00	3.00	0.009	0.000	0.009	0.001	0.008	0.792	2.0
HASTINGS											
FROBISHER (UNIT)	2.378	28.60	2.20	30.80	0.680	0.052	0.732	0.663	0.069	9.835	23.4
FROBISHER (VOL UNIT NO. 1)	4.716	17.00	6.50	23.50	0.802	0.307	1.109	1.006	0.103	21.191	57.7
FROBISHER (VOL UNIT NO. 2)	5.745	11.00	2.80	13.80	0.632	0.161	0.793	0.751	0.042	8.489	22.4
FROBISHER (NON-UNIT)	8.938	22.00	0.00	22.00	1.966	0.000	1.966	1.634	0.332	37.051	108.8
HAZELWOOD											
TILSTON	1.207	12.40	0.00	12.40	0.150	0.000	0.150	0.142	0.008	3.771	10.5
HOFFER											
RATCLIFFE LOWER POOL	0.893	9.20	0.00	9.20	0.082	0.000	0.082	0.050	0.032	3.160	9.0
HOFFER											
RATCLIFFE UPPER POOL	0.978	10.20	0.00	10.20	0.100	0.000	0.100	0.043	0.057	5.838	15.3
HUMMINGBIRD											
BIRDBEAR (VOLUNTARY UNIT NO. 1)	1.173	39.00	0.00	39.00	0.457	0.000	0.457	0.416	0.041	7.900	23.8
INGOLDSBY											
FROBISHER-ALIDA (VOL UNIT)	8.334	35.00	0.00	35.00	2.917	0.000	2.917	2.115	0.802	34.281	95.0
FROBISHER-ALIDA (NON-UNIT)	0.359	31.50	0.00	31.50	0.113	0.000	0.113	0.062	0.051	2.924	17.0
KENOSEE											
TILSTON (VOLUNTARY UNIT)	4.034	53.80	0.00	53.80	2.170	0.000	2.170	1.725	0.445	67.379	177.3
KISBEY											
BIRDBEAR	1.562	11.00	0.00	11.00	0.172	0.000	0.172	0.102	0.070	11.014	31.0
LIGHTNING											
TILSTON	0.413	9.40	0.00	9.40	0.039	0.000	0.039	0.039	0.000	0.000	0.0
MOOSE MOUNTAIN											
TILSTON	1.798	26.00	0.00	26.00	0.467	0.000	0.467	0.422	0.045	9.465	41.3
MORRISVIEW											
FROBISHER-ALIDA	0.990	20.00	0.00	20.00	0.198	0.000	0.198	0.161	0.037	5.453	11.4
NORTH ANTLER											
MIDALE (VOLUNTARY UNIT NO. 1)	0.751	8.00	5.00	13.00	0.060	0.038	0.098	0.094	0.004	1.420	4.1
NORTHGATE											
FROBISHER	0.222	19.40	0.00	19.40	0.043	0.000	0.043	0.041	0.002	0.382	1.2
NORTHGATE											
MIDALE	3.452	8.20	0.00	8.20	0.283	0.000	0.283	0.241	0.042	5.999	14.6
NOTTINGHAM											
ALIDA (NORTH ALIDA BEDS UNIT)	9.399	19.70	0.00	19.70	1.852	0.000	1.852	1.379	0.473	29.230	77.2
ALIDA (NON-UNIT)	3.868	22.40	0.00	22.40	0.866	0.000	0.866	0.767	0.099	13.434	40.0
OAKLEY											
FROBISHER	0.704	15.50	0.00	15.50	0.109	0.000	0.109	0.101	0.008	1.133	3.3
PARKMAN											
SOURIS VALLEY	1.014	19.00	0.00	19.00	0.193	0.000	0.193	0.133	0.060	11.283	20.7
PARKMAN											
TILSTON	0.696	15.00	0.00	15.00	0.104	0.000	0.104	0.101	0.003	1.632	5.6
PARKMAN											
TILSTON-SOURIS VALLEY	23.717	13.40	0.00	13.40	3.178	0.000	3.178	2.819	0.359	84.700	225.8
PARKMAN SOUTH											
TILSTON-SOURIS VALLEY	1.684	9.50	0.00	9.50	0.160	0.000	0.160	0.100	0.060	4.610	13.8
PINTO											
FROBISHER	1.743	22.40	0.00	22.40	0.390	0.000	0.390	0.361	0.029	8.409	28.3
PINTO											
MIDALE (SOUTH PINTO UNIT)	5.674	10.40	2.00	12.40	0.590	0.113	0.703	0.560	0.143	13.289	32.8
MIDALE (NON-UNIT)	5.202	9.20	0.00	9.20	0.479	0.000	0.479	0.442	0.037	9.545	23.0
QUEENSDALE EAST											
FROBISHER-ALIDA (NORTH CANTAL UNIT)	1.704	61.00	0.00	61.00	1.039	0.000	1.039	0.889	0.150	9.712	27.7
FROBISHER-ALIDA (NON-UNIT)	11.054	46.50	0.00	46.50	5.140	0.000	5.140	3.863	1.277	123.284	334.1

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
										GLEN EWEN	
0.057	0.388	6.10	11.7	35.0	1.333	818	1 304	MISSISSIPPIAN	1954		FROBISHER
										GLEN EWEN	
0.067	4.209	2.13	13.7	35.0	1.333	828	1 280	MISSISSIPPIAN	1954		MIDALE (UNIT)
0.068	0.064	7.10	14.0	35.0	1.333	826	--	--	--		MIDALE (NON-UNIT)
										HASTINGS	
0.073	0.502	6.49	14.8	37.0	1.276	833	1 200	MISSISSIPPIAN	1955		FROBISHER (UNIT)
0.067	1.105	6.37	13.7	35.0	1.333	--	--	--	--		FROBISHER (VOL UNIT NO. 1)
0.097	0.971	6.10	19.6	37.0	1.276	843	--	--	--		FROBISHER (VOL UNIT NO. 2)
0.062	2.039	7.07	13.7	40.0	1.333	842	--	--	--		FROBISHER (NON-UNIT)
										HAZELWOOD	
0.073	0.162	10.21	13.5	40.0	1.111	848	1 149	MISSISSIPPIAN	1963		TILSTON
										HOFFER	
0.066	0.130	10.41	12.7	35.0	1.250	880	1 935	MISSISSIPPIAN	1964		RATCLIFFE LOWER POOL
										HOFFER	
0.063	0.324	4.79	12.1	35.0	1.250	876	1 927	MISSISSIPPIAN	1964		RATCLIFFE UPPER POOL
										HUMMINGBIRD	
0.062	0.209	9.05	10.3	28.7	1.186	830	2 326	DEVONIAN	1966		BIRDBEAR (VOLUNTARY UNIT NO. 1)
										INGOLDSBY	
0.079	1.214	8.69	13.0	30.0	1.155	865	1 089	MISSISSIPPIAN	1955		FROBISHER-ALIDA (VOL UNIT)
0.047	0.161	4.75	7.7	30.0	1.155	850	--	--	--		FROBISHER-ALIDA (NON-UNIT)
										KENOSEE	
0.083	0.996	4.88	16.0	35.0	1.250	848	1 196	MISSISSIPPIAN	1958		TILSTON (VOLUNTARY UNIT)
										KISBEY	
0.076	0.243	8.46	12.0	25.0	1.186	845	1 626	DEVONIAN	1968		BIRDBEAR
										LIGHTNING	
0.076	0.178	3.05	14.1	40.0	1.111	843	1 057	MISSISSIPPIAN	1957		TILSTON
										MOOSE MOUNTAIN	
0.065	0.550	5.03	12.0	40.0	1.111	864	1 188	MISSISSIPPIAN	1960		TILSTON
										MORRISVIEW	
0.071	0.307	4.54	13.6	35.0	1.250	843	1 266	MISSISSIPPIAN	1967		FROBISHER-ALIDA
										NORTH ANTLER	
0.059	0.233	5.46	12.2	35.0	1.333	827	1 152	MISSISSIPPIAN	1965		MIDALE (VOLUNTARY UNIT NO. 1)
										NORTHGATE	
0.025	0.129	6.89	5.1	35.0	1.333	843	1 585	MISSISSIPPIAN	1963		FROBISHER
										NORTHGATE	
0.053	1.295	5.03	12.8	45.0	1.333	837	1 575	MISSISSIPPIAN	1963		MIDALE
										NOTTINGHAM	
0.087	1.182	9.14	16.9	31.2	1.335	839	1 066	MISSISSIPPIAN	1956		ALIDA (NORTH ALIDA BEDS UNIT)
0.080	0.745	6.49	15.5	31.2	1.335	846	--	--	--		ALIDA (NON-UNIT)
										OAKLEY	
0.049	0.259	5.55	10.9	40.0	1.333	841	1 196	MISSISSIPPIAN	1955		FROBISHER
										PARKMAN	
0.031	0.650	5.03	7.0	50.0	1.111	871	1 188	MISSISSIPPIAN	1964		SOURIS VALLEY
										PARKMAN	
0.058	0.194	6.19	10.8	40.0	1.111	870	1 060	MISSISSIPPIAN	1958		TILSTON
										PARKMAN	
0.064	3.577	10.36	11.9	40.0	1.111	862	1 097	MISSISSIPPIAN	1959		TILSTON-SOURIS VALLEY
										PARKMAN SOUTH	
0.082	0.162	12.68	15.1	40.0	1.111	841	1 095	MISSISSIPPIAN	1969		TILSTON-SOURIS VALLEY
										PINTO	
0.046	0.881	4.30	11.2	45.0	1.333	848	1 631	MISSISSIPPIAN	1957		FROBISHER
										PINTO	
0.053	2.525	4.24	14.5	45.0	1.517	873	1 615	MISSISSIPPIAN	1957		MIDALE (SOUTH PINTO UNIT)
0.053	2.315	4.24	14.5	45.0	1.517	834	--	--	--		MIDALE (NON-UNIT)
										QUEENSDALE EAST	
0.040	0.437	9.75	7.3	35.0	1.182	843	1 173	MISSISSIPPIAN	1956		FROBISHER-ALIDA (NORTH CANTAL UNIT)
0.064	2.574	6.71	11.7	35.0	1.182	850	--	--	--		FROBISHER-ALIDA (NON-UNIT)

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY PER CENT			INITIAL RESERVES			CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION	
		PRIMARY	ENHANCED	TOTAL	PRIMARY	ENHANCED	TOTAL			YEARLY TOTAL M3X1 000	DAILY AVERAGE M3/DAY
					M3 X 1 000 000						
QUEENSDALE NORTH											
ALIDA	1.311	17.80	0.00	17.80	0.233	0.000	0.233	0.200	0.033	3.603	10.1
QUEENSDALE WEST											
ALIDA	2.240	36.50	0.00	36.50	0.818	0.000	0.818	0.672	0.146	12.057	35.8
ROCANVILLE											
BAKKEN SAND	1.631	20.00	0.00	20.00	0.326	0.000	0.326	0.266	0.060	7.193	23.3
RONCOTT											
BAKKEN SAND	1.054	9.90	0.00	9.90	0.104	0.000	0.104	0.094	0.010	2.176	5.5
ROSEBANK											
FROBISHER-ALIDA (VOL UNIT NO. 1)	8.659	45.50	0.00	45.50	3.940	0.000	3.940	3.416	0.524	39.899	106.2
ALIDA (NON-UNIT)	6.510	20.00	0.00	20.00	1.302	0.000	1.302	0.907	0.395	30.057	78.9
ROSEBANK SOUTH											
ALIDA	1.170	10.50	0.00	10.50	0.123	0.000	0.123	0.099	0.024	2.549	10.9
SHERWOOD											
FROBISHER	3.494	53.00	0.00	53.00	1.852	0.000	1.852	1.579	0.273	31.882	89.6
SILVERTON											
FROBISHER	0.584	15.00	0.00	15.00	0.088	0.000	0.088	0.071	0.017	2.059	8.0
SKINNER LAKE											
RATCLIFFE	3.357	10.00	0.00	10.00	0.336	0.000	0.336	0.196	0.140	13.560	37.9
SOURIS FLAT											
FROBISHER	2.823	23.00	0.00	23.00	0.649	0.000	0.649	0.535	0.114	15.861	41.7
SOUTH FLETWODE											
TILSTON	1.315	30.50	0.00	30.50	0.401	0.000	0.401	0.335	0.066	8.940	24.7
STAR VALLEY											
FROBISHER-ALIDA	3.850	47.00	0.00	47.00	1.809	0.000	1.809	1.057	0.752	59.011	171.0
STEELMAN											
FROBISHER (VOL UNIT NO. 1)	0.896	29.70	0.00	29.70	0.266	0.000	0.266	0.246	0.020	3.614	9.8
FROBISHER (DOUGLASTON UNIT)	0.848	25.70	0.00	25.70	0.218	0.000	0.218	0.192	0.026	2.622	6.3
FROBISHER (NON-UNIT)	6.443	24.50	0.00	24.50	1.579	0.000	1.579	1.486	0.093	20.316	54.9
STEELMAN											
MIDALE (UNIT IA)	18.399	16.00	35.00	51.00	2.944	6.440	9.384	8.000	1.384	124.080	317.0
MIDALE (UNIT II)	16.643	23.00	26.80	49.80	3.828	4.460	8.288	7.465	0.823	100.903	280.1
MIDALE (UNIT III)	11.393	16.00	22.50	38.50	1.823	2.563	4.386	3.835	0.551	67.423	181.4
MIDALE (UNIT IV)	13.368	15.00	26.20	41.20	2.005	3.502	5.507	4.549	0.958	114.662	295.0
MIDALE (UNIT V)	6.465	15.00	11.70	26.70	0.970	0.756	1.726	1.568	0.158	20.007	51.9
MIDALE (UNIT VI)	24.986	16.00	20.50	36.50	3.998	5.122	9.120	8.542	0.578	88.290	231.6
MIDALE (UNIT VII)	2.556	10.40	22.50	32.90	0.266	0.575	0.841	0.707	0.134	15.373	37.1
MIDALE (DOUGLASTON UNIT)	1.944	12.30	13.70	26.00	0.239	0.266	0.505	0.399	0.106	13.517	34.9
MIDALE (LAMPMAN UNIT)	0.933	13.00	12.50	25.50	0.121	0.117	0.238	0.211	0.027	4.503	11.5
MIDALE (NORTH UNIT)	1.965	15.00	21.00	36.00	0.295	0.413	0.708	0.098	0.610	31.655	89.6
MIDALE (NON-UNIT)	6.253	14.80	0.00	14.80	0.925	0.000	0.925	0.538	0.387	41.174	122.0
STORTHOAKS											
ALIDA-TILSTON	3.083	24.70	0.00	24.70	0.762	0.000	0.762	0.592	0.170	17.809	48.4
VIEWFIELD											
FROBISHER (VOLUNTARY UNIT NO. 1)	1.475	12.50	0.00	12.50	0.184	0.000	0.184	0.115	0.069	16.935	43.1
FROBISHER (NON-UNIT)	6.342	14.00	0.00	14.00	0.888	0.000	0.888	0.419	0.469	31.557	77.1
WARMLEY											
ALIDA (FLETWODE ALIDA VOL UNIT)	0.537	30.50	0.00	30.50	0.164	0.000	0.164	0.121	0.043	5.221	14.0
WHITE BEAR											
TILSTON	2.733	42.20	0.00	42.20	1.153	0.000	1.153	0.867	0.286	26.800	74.2
WHITE BEAR											
TILSTON-SOURIS VALLEY	0.521	15.00	0.00	15.00	0.078	0.000	0.078	0.074	0.004	0.688	1.9
WILDWOOD											
ALIDA	1.249	11.00	0.00	11.00	0.137	0.000	0.137	0.114	0.023	4.212	12.1
WILLMAR											
FROBISHER-ALIDA (VOL UNIT NO. 1)	3.538	17.00	16.90	33.90	0.601	0.598	1.199	0.846	0.353	21.927	70.9
FROBISHER-ALIDA (N CENTRAL VOL UNIT)	1.215	14.00	9.30	23.30	0.170	0.113	0.283	0.201	0.082	5.884	14.9
FROBISHER-ALIDA (N DALES UNIT NO. 1)	1.147	35.00	10.00	45.00	0.401	0.115	0.516	0.485	0.031	9.656	22.9
FROBISHER-ALIDA (KISBEY SD VOL UNIT)	0.257	47.00	0.00	47.00	0.121	0.000	0.121	0.113	0.008	2.237	5.7
FROBISHER-ALIDA (NON-UNIT)	11.206	28.00	0.50	28.50	3.138	0.056	3.194	2.615	0.579	81.611	215.0

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL PRODUCING HORIZON
										QUEENSDALE NORTH
0.079	0.340	4.88	16.3	35.0	1.333	851	1 173	MISSISSIPPIAN	1959	ALIDA
										QUEENSDALE WEST
0.054	0.680	6.10	11.0	35.0	1.333	859	1 204	MISSISSIPPIAN	1956	ALIDA
										ROCANVILLE
0.092	0.388	4.57	18.8	35.0	1.333	843	715	MISSISSIPPIAN	1957	BAKKEN SAND
										RONCOTT
0.099	0.356	2.99	14.1	25.0	1.064	823	1 822	MISSISSIPPIAN	1956	BAKKEN SAND
										ROSEBANK
0.065	0.971	13.72	12.5	30.0	1.343	828	1 066	MISSISSIPPIAN	1955	FROBISHER-ALIDA (VOL UNIT NO. 1)
0.071	0.777	11.80	15.0	37.5	1.316	841	--	--	--	ALIDA (NON-UNIT)
										ROSEBANK SOUTH
0.050	0.307	7.62	9.8	35.0	1.266	864	1 074	MISSISSIPPI1N	1954	ALIDA
										SHERWOOD
0.088	0.511	7.77	15.8	35.0	1.163	880	1 240	MISSISSIPPIAN	1963	FROBISHER
										SILVERTON
0.050	0.145	8.05	11.0	40.0	1.333	854	1 204	MISSISSIPPIAN	1956	FROBISHER
										SKINNER LAKE
0.119	0.647	4.36	24.0	45.0	1.111	864	1 723	MISSISSIPPIAN	1969	RATCLIFFE
										SOURIS FLAT
0.065	0.712	6.10	13.3	35.0	1.333	861	1 333	MISSISSIPPIAN	1965	FROBISHER
										SOUTH FLETWODE
0.070	0.457	4.11	13.0	40.0	1.111	859	1 143	MISSISSIPPIAN	1961	TILSTON
										STAR VALLEY
0.073	0.761	6.93	15.0	35.0	1.333	862	1 162	MISSISSIPPIAN	1960	FROBISHER-ALIDA
										STEELMAN
0.042	0.363	5.88	9.2	35.0	1.414	833	1 409	MISSISSIPPIAN	1954	FROBISHER (VOL UNIT NO. 1)
0.049	0.227	7.62	10.1	35.0	1.333	848	--	--	--	FROBISHER (DOUGLASTON UNIT)
0.045	2.525	5.67	9.2	35.0	1.333	849	--	--	--	FROBISHER (NON-UNIT)
										STEELMAN
0.080	5.463	4.21	17.1	35.0	1.389	843	1 399	MISSISSIPPIAN	1954	MIDALE (UNIT IA)
0.085	2.072	9.45	16.5	28.8	1.389	858	--	--	--	MIDALE (UNIT II)
0.088	2.833	4.57	18.9	35.0	1.389	827	--	--	--	MIDALE (UNIT III)
0.077	5.277	3.29	16.4	35.0	1.389	824	--	--	--	MIDALE (UNIT IV)
0.070	2.833	3.26	14.9	35.0	1.389	837	--	--	--	MIDALE (UNIT V)
0.073	6.685	5.12	15.5	35.0	1.389	843	--	--	--	MIDALE (UNIT VI)
0.084	0.728	4.18	17.9	35.0	1.389	870	--	--	--	MIDALE (UNIT VII)
0.059	0.826	3.99	12.6	35.0	1.389	--	--	--	--	MIDALE (DOUGLASTON UNIT)
0.092	0.437	2.32	18.6	31.2	1.389	862	--	--	--	MIDALE (LAMPMAN UNIT)
0.049	0.971	4.13	10.0	32.0	1.389	--	--	--	--	MIDALE (NORTH UNIT)
0.049	3.031	4.21	10.4	35.0	1.389	846	--	--	--	MIDALE (NON-UNIT)
										STORTHOAKS
0.082	0.663	5.67	14.2	35.0	1.124	842	1 066	MISSISSIPPIAN	1962	ALIDA-TILSTON
										VIEWFIELD
0.067	0.129	17.07	12.0	35.0	1.163	873	1 270	MISSISSIPPIAN	1969	FROBISHER (VOLUNTARY UNIT NO. 1)
0.072	0.412	21.38	12.8	35.0	1.163	838	--	--	--	FROBISHER (NON-UNIT)
										WARMLEY
0.062	0.401	2.16	11.8	40.0	1.140	860	1 242	MISSISSIPPIAN	1966	ALIDA (FLETWODE ALIDA VOL UNIT)
										WHITE BEAR
0.066	0.453	9.14	12.3	40.0	1.111	862	1 060	MISSISSIPPIAN	1957	TILSTON
										WHITE BEAR
0.060	0.162	5.36	11.2	40.0	1.111	853	1 188	MISSISSIPPIAN	1963	TILSTON-SOURIS VALLEY
										WILDWOOD
0.070	0.210	8.50	14.4	35.0	1.333	852	1 184	MISSISSIPPIAN	1966	ALIDA
										WILLMAR
0.074	0.809	5.91	12.9	26.0	1.282	843	1 249	MISSISSIPPIAN	1957	FROBISHER-ALIDA (VOL UNIT NO. 1)
0.060	0.324	6.25	11.0	30.0	1.282	843	--	--	--	FROBISHER-ALIDA (N CENTRAL VOL UNIT)
0.050	0.388	5.91	9.9	35.0	1.282	--	--	--	--	FROBISHER-ALIDA (N DALES UNIT NO. 1)
0.093	0.081	3.41	20.0	40.0	1.293	--	--	--	--	FROBISHER-ALIDA (KISBEY SD VOL UNIT)
0.070	2.444	6.55	12.9	30.0	1.282	861	--	--	--	FROBISHER-ALIDA (NON-UNIT)

POOL PRODUCING HORIZON	INITIAL OIL IN PLACE M3X1 000 000	ESTIMATED RECOVERY PRIMARY	ENHANCED	TOTAL	INITIAL RESERVES PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION Dec. 31/83	REMAINING RESERVES	1983 PRODUCTION YEARLY TOTAL M3X1 000	DAILY AVERAGE M3/DAY
			PER CENT		----------------	-------M3 X 1	000 000	----------	----------		
WINMORE											
FROBISHER	0.374	7.50	0.00	7.50	0.028	0.000	0.028	0.027	0.001	0.000	0.0
WORKMAN											
FROBISHER (VOLUNTARY UNIT NO. 1)	5.045	16.70	20.30	37.00	0.843	1.024	1.867	1.583	0.284	25.678	70.4
FROBISHER (NON-UNIT)	7.580	20.00	0.00	20.00	1.516	0.000	1.516	0.936	0.580	54.982	146.4
WORKMAN											
MIDALE (VOLUNTARY UNIT NO. 1)	1.044	17.80	6.20	24.00	0.186	0.065	0.251	0.241	0.010	2.087	6.8
MIDALE (VOLUNTARY UNIT NO. 2)	0.838	10.60	9.00	19.60	0.089	0.075	0.164	0.154	0.010	2.319	6.8
MIDALE (NON-UNIT)	1.161	12.00	1.50	13.50	0.139	0.017	0.156	0.137	0.019	3.398	7.6
MISCELLANEOUS											
ALIDA	1.861	11.00	0.00	11.00	0.205	0.000	0.205	0.159	0.046	7.065	17.5
ALIDA TILSTON	0.053	1.50	0.00	1.50	0.001	0.000	0.001	0.001	0.000	0.000	0.0
BAKKEN	1.647	7.20	0.00	7.20	0.119	0.000	0.119	0.046	0.073	5.086	16.9
BIRDBEAR	0.119	6.50	0.00	6.50	0.008	0.000	0.008	0.008	0.000	0.000	0.0
FROBISHER	7.071	8.80	0.00	8.80	0.622	0.000	0.622	0.273	0.349	38.044	154.1
FROBISHER-ALIDA	3.325	12.00	0.00	12.00	0.399	0.000	0.399	0.308	0.091	13.955	50.8
MIDALE	3.934	5.60	0.00	5.60	0.220	0.000	0.220	0.110	0.110	16.766	62.0
RATCLIFFE	1.212	7.00	0.00	7.00	0.085	0.000	0.085	0.046	0.039	4.155	17.8
RED RIVER	0.611	8.10	0.00	8.10	0.049	0.000	0.049	0.044	0.005	1.705	4.4
SOURIS VALLEY	0.366	11.00	0.00	11.00	0.040	0.000	0.040	0.024	0.016	2.278	8.8
TILSTON	2.718	8.50	0.00	8.50	0.231	0.000	0.231	0.125	0.106	11.589	34.2
TILSTON-SOURIS VALLEY	0.706	3.00	0.00	3.00	0.021	0.000	0.021	0.013	0.008	1.315	4.1
WINNIPEGOSIS	0.090	12.00	0.00	12.00	0.011	0.000	0.011	0.005	0.006	0.147	0.0
YEOMENS	0.419	8.00	0.00	8.00	0.034	0.000	0.034	0.018	0.016	1.268	3.6
TOTAL AREA IV LIGHT	443.093				85.804	33.761	119.565	97.659	21.906	2329.824	6424.3
PROVINCIAL TOTAL	2482.112				250.229	152.185	402.414	300.296	102.118	9534.526	27202.3

INITIAL OIL IN PLACE M3/M3	AREA HA X1 000	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	WATER SATURATION PER CENT	FORMATION VOLUME FACTOR	DENSITY OF OIL KG/M3	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL	PRODUCING HORIZON
										WINMORE	
0.052	0.227	3.17	11.0	45.0	1.163	869	1 140	MISSISSIPPIAN	1968		FROBISHER
										WORKMAN	
0.064	1.748	4.51	13.1	42.1	1.185	844	1 237	MISSISSIPPIAN	1959		FROBISHER (VOLUNTARY UNIT NO. 1)
0.061	2.231	5.57	12.5	42.1	1.184	861	--	--	--		FROBISHER (NON-UNIT)
										WORKMAN	
0.081	0.671	1.92	14.8	35.0	1.187	838	1 230	MISSISSIPPIAN	1960		MIDALE (VOLUNTARY UNIT NO. 1)
0.075	0.356	3.14	15.7	39.3	1.274	--	--	--	--		MIDALE (VOLUNTARY UNIT NO. 2)
0.076	0.501	3.05	14.8	35.0	1.274	844		--	--		MIDALE (NON-UNIT)
										MISCELLANEOUS	
0.057	0.291	11.22	11.6	35.0	1.333	843	--	MISSISSIPPIAN	--		ALIDA
0.078	0.032	2.13	15.9	35.0	1.333	843	--	MISSISSIPPIAN	--		ALIDA TILSTON
0.090	0.356	5.14	12.8	25.0	1.064	819	--	MISSISSIPPIAN	--		BAKKEN
0.068	0.032	5.49	10.7	25.0	1.186	838	--	DEVONIAN	--		BIRDBEAR
0.051	1.894	7.32	10.4	35.0	1.333	843	--	MISSISSIPPIAN	--		FROBISHER
0.059	0.679	8.30	12.1	35.0	1.333	858	--	MISSISSIPPIAN	--		FROBISHER-ALIDA
0.066	0.745	8.00	13.5	35.0	1.333	838	--	MISSISSIPPIAN	--		MIDALE
0.053	0.291	7.86	10.9	35.0	1.333	--	--	MISSISSIPPIAN	--		RATCLIFFE
0.030	0.129	15.80	6.2	35.0	1.333	853	--	ORDOVICIAN	--		RED RIVER
0.046	0.178	4.47	10.2	50.0	1.111	858	--	MISSISSIPPIAN	--		SOURIS VALLEY
0.080	0.518	6.56	14.8	40.0	1.111	849	--	MISSISSIPPIAN	--		TILSTON
0.049	0.178	8.10	11.0	50.0	1.111	843	--	MISSISSIPPIAN	--		TILSTON-SOURIS VALLEY
0.035	0.065	3.96	6.7	35.0	1.250	--	--	DEVONIAN	--		WINNIPEGOSIS
0.045	0.065	14.33	9.3	35.0	1.333	--	--	ORDOVICIAN	--		YEOMENS

RESERVOIR DATA
RESERVES AND
PRODUCTION—GAS

FIVE YEAR GAS SUMMARY

	1979	1980	1981	1982	1983
	INITIAL ESTABLISHED RESERVES (MILLION CUBIC METRES)				
Non-Associated	58 187.1	59 483.6	62 488.8	66 701.8	73 224.3
Associated	1 629.5	1 633.3	1 633.3	1 633.3	1 683.5
Dissolved	4 905.9	5 756.5	5 756.5	5 756.5	5 756.5
PROVINCIAL TOTAL	64 722.5	66 873.4	69 878.2	74 091.6	80 664.3
	REMAINING ESTABLISHED RESERVES (MILLION CUBIC METRES)				
Non-Associated	36 331.4	36 488.4	38 324.1	41 289.0	46 661.8
Associated	796.0	794.6	791.5	790.0	838 9
Dissolved	365.9	1 143.5	1 103.3	1 054.5	966.5
PROVINCIAL TOTAL	37 493.3	38 426.5	40 218.9	43 133.5	48 467.2
	YEARLY PRODUCTION (MILLION CUBIC METRES)				
Non-Associated	1 102.2	1 133.1	1 168.8	1 202.1	1 134.1
Associated	2.8	4.1	3.1	1.4	1.4
Dissolved	91.0	72.9	40.3	48.8	88.0
PROVINCIAL TOTAL	1 196.0	1 210.1	1 212.2	1 252.3	1 223.5
	NUMBER OF PRODUCING WELLS				
Non-Associated	728	755	756	769	919
Associated	5	4	5	6	7
PROVINCIAL TOTAL	733	759	761	775	926
	AVERAGE DAILY PRODUCTION (MILLION CUBIC METRES)				
Non-Associated	3.630	3.686	3.813	3.880	3.497
Associated	0.010	0.019	0.036	0.006	0.005
Dissolved	0.249	0.200	0.110	0.133	0.241
PROVINCIAL TOTAL	3.889	3.905	3.959	4.019	3.743

TEMPERATURE BASE 15^{0}C

PRESSURE BASE 101.325 kPa

POOL PRODUCING HORIZON	INITIAL GAS IN PLACE MILLION CUBIC METRES	RESERVOIR RECOVERY PER CENT	SURFACE LOSSES PER CENT	INITIAL ESTABLISHED RESERVES MILLION CUBIC METRES	CUMULATIVE PRODUCTION DEC. 31/83 MILLION CUBIC METRES	REMAINING RESERVES DEC. 31/83 MILLION CUBIC METRES	ESTIMATED HEATING VALUE MAJ/M3
NON-ASSOCIATED GAS RESERVES							
BAYHURST							
Viking Sand (Voluntary Unit)	2 567.7	80	5	1 951.4	1 759.9	191.5	37.4
BAYHURST WEST							
Viking Sand (Voluntary Unit)	304.7	75	5	217.1	172.7	44.4	35.6
BEACON HILL							
Mannville Sand	4 541.7	85	5	3 667.4	1 558.6	2 108.8	36.5
BEVERLEY EAST							
Cantuar Sand (Vol. Unit No. 1)	378.0	90	5	323.2	199.3	123.9	36.9
BROCK							
Viking Sand (Unit)	765.2	78	5	567.0	550.7	16.3	36.3
BROCK EAST							
Viking Sand	310.0	35	5	103.1	10.2	92.9	34.6
CAVALIER							
Spinney Hill Sand	105.0	75	5	74.8	43.7	31.1	32.4
COLEVILLE-SMILEY							
Viking Sand (Unit)	6 465.7	85	5	5 221.1	4 768.0	453.1	38.4
Viking Sand (Non-Unit)	58.4	80	5	44.4	30.0	14.4	38.3
DODSLAND NORTH							
Viking Sand (Voluntary Unit)	874.5	80	5	664.6	413.6	251.0	40.7
Viking Sand (Non-Unit)	2 904.2	80	5	2 207.2	43.2	2 164.0	40.7
FORT PITT							
Mannville Sand	172.0	80	5	130.7	3.7	127.0	35.9
FORT PITT NORTH							
Mannville Sand	177.5	80	5	134.9	7.4	127.5	37.0
GLIDDEN							
Viking Sand (Voluntary Unit)	484.0	50	5	229.9	73.4	156.5	35.8
GREENAN							
Viking Sand	1 347.9	35	5	448.2	286.3	161.9	35.2
GULL LAKE							
Cantuar Sand	999.9	70	5	664.9	479.2	185.7	38.4
HATTON							
Medicine Hat Sand (Unit)	6 871.3	80	5	5 222.2	3 843.3	1 378.9	35.4
Medicine Hat Sand (Agreement Area)	1 969.2	80	5	1 496.6	640.2	856.4	35.4
Medicine Hat Sand (Non Unit)	5 046.9	80	5	3 835.6	1 614.2		
HATTON							
Milk River	25 265.7	65	5	15 601.6	2 781.0	14 485.8	35.4
Milk River - Medicine Hat	--	--	-	--	556.2		
HOOSIER							
Viking Sand (Unit)	4 643.4	75	5	3 308.4	2 306.1	1 002.3	37.3
Viking Sand (Vol. Unit No. 4)	134.8	75	5	96.1	20.0	76.1	39.2
Viking Sand (Non Unit)	51.3	75	5	36.6	--	36.6	37.3

1983 PRODUCTION										
YEARLY TOTAL MILLION CUBIC METRES	DAILY AVERAGE MILLION CUBIC METRES/DAY	DEVELOPED AREA HECTARES	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	AVERAGE CONNATE WATER PER CENT	SPECIFIC GRAVITY	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL PRODUCING HORIZON
										NON-ASSOCIATED GAS RESERVES
										BAYHURST
38.850	0.259	8 903	2.71	25.0	35.0	0.580	661	Cretaceous	1958	Viking Sand (Voluntary Unit)
										BAYHURST WEST
6.875	0.018	1 333	1.62	30.5	35.0	0.580	696	Cretaceous	1968	Viking Sand (Voluntary Unit)
										BEACON HILL
6.696	0.074	21 107	4.66	35.0	40.0	0.568	274	Cretaceous	1963	Mannville Sand
										BEVERLEY EAST
6.908	0.033	874	2.53	28.1	33.0	0.583	972	Cretaceous	1965	Cantuar Sand (Vol. Unit No. 1)
										BROCK
4.350	0.012	5 698	2.19	14.5	40.0	0.588	716	Cretaceous	1951	Viking Sand (Unit)
										BROCK EAST
0	0	3 108	0.91	24.0	40.0	0.597	720	Cretaceous	1967	Viking Sand
										CAVALIER
14.887	0.041	1 518	1.22	25.0	30.0	0.620	400	Cretaceous	1972	Spinney Hill Sand
										COLEVILLE-SMILEY
85.064	0.233	19 779	2.99	22.5	32.0	0.600	686	Cretaceous	1951	Viking Sand (Unit)
1.117	0.003	226	2.44	25.5	32.0	0.608	--	--	--	Viking Sand (Non-Unit)
										DODSLAND NORTH
15.917	0.044	4 452	2.01	22.4	35.0	0.615	669	Cretaceous	1953	Viking Sand (Unit)
14.681	0.040	16 988	1.83	22.4	35.0	0.621	--	--	--	Viking Sand (Non-Unit)
										FORT PITT
3.713	0.041	1 930	1.53	34.0	40.0	0.578	388	Cretaceous	1972	Mannville Sand
										FORT PITT NORTH
7.435	0.083	1 790	1.66	34.0	40.0	0.568	473	Cretaceous	1971	Mannville Sand
										GLIDDEN
0	0	5 893	0.88	21.0	40.0	0.584	694	Cretaceous	1953	Viking Sand (Voluntary Unit)
										GREENAN
12.197	0.033	5 952	1.98	24.6	35.0	0.596	655	Cretaceous	1969	Viking Sand
										GULL LAKE
1.031	0.003	2 011	3.14	23.0	30.0	0.598	1 057	Cretaceous	1957	Cantuar Sand
										HATTON
102.254	0.280	43 491	3.26	21.0	50.0	0.575	477	Cretaceous	1953	Medicine Hat Sand (Unit)
22.928	0.063	13 727	2.96	21.0	50.0	0.575	--	--	--	Medicine Hat Sand (Agreement Area)
85.713	0.235	51 953	1.75	21.0	50.0	0.575	--	--	--	Medicine Hat Sand (Non Unit)
										HATTON
297.667	0.816	159 440	6.77	16.0	45.0	0.574	335	Cretaceous	--	Milk River
88.149	0.241	--	--	--	--	--	--	--	--	Milk River - Medicine Hat
										HOOSIER
30.673	0.084	12 468	3.32	23.0	32.0	0.600	732	Cretaceous	1953	Viking Sand (Unit)
0	0	697	2.56	23.0	32.0	0.604	--	--	--	Viking Sand (Vol. Unit No. 4)
0	0	129	3.81	23.0	32.0	0.600	--	--	--	Viking Sand (Non Unit)

TEMPERATURE BASE 15°C

PRESSURE BASE 101.325 kPa

POOL PRODUCING HORIZON	INITIAL GAS IN PLACE MILLION CUBIC METRES	RESERVOIR RECOVERY PER CENT	SURFACE LOSSES PER CENT	INITIAL ESTABLISHED RESERVES MILLION CUBIC METRES	CUMULATIVE PRODUCTION DEC. 31/83 MILLION CUBIC METRES	REMAINING RESERVES DEC. 31/83 MILLION CUBIC METRES	ESTIMATED HEATING VALUE MAJ/M3
LIEBENTHAL							
Milk River	525.2	65	5	324.3	105.8	218.5	35.4
LLOYDMINSTER							
Colony Sand	246.2	95	5	222.2	217.1	5.1	34.4
MARENGO							
Viking Sand	323.7	80	5	246.0	0.6	245.4	36.3
MILTON							
Viking Sand	1 047.2	85	5	845.6	778.3	67.3	37.3
PIERCELAND							
Mannville Sand	1 581.1	93	5	1 396.9	518.3	878.6	36.5
TOTNES							
Viking Sand (Voluntary Unit)	465.8	80	5	354.0	280.0	74.0	35.5
Viking Sand (Non Unit)	155.2	80	5	118.0	1.4	116.6	35.5
UNITY FIELD							
Unity Sand	312.2	90	5	267.0	267.0	0	33.6
Viking Sand	30.2	50	5	14.4	14.4	0	37.4
WHITESIDE							
Victoria Sand (Voluntary Unit)	527.4	85	5	425.8	396.2	29.6	37.4
WHITESIDE WEST							
Viking Sand	872.4	75	5	621.6	14.1	607.5	39.1
MISCELLANEOUS							
Alida	48.9	--	-	39.5	4.8	34.7	39.9
Bakken	2 063.8	--	-	1 569.4	396.3	1 173.1	37.8
Centuar	224.4	--	-	116.0	54.8	61.2	35.2
Colony	3 892.5	--	-	3 004.5	450.3	2 554.2	34.4
Cummings	13.0	--	-	9.9	4.8	5.1	36.6
Detrital	814.7	--	-	627.4	--	627.4	38.0
Lloydminster	23.6	--	-	16.3	10.9	5.4	34.4
Mannville	4 812.1	--	-	3 564.0	128.3	3 435.7	37.4
McLaren	1 102.7	--	-	832.0	436.7	395.3	34.4
Medicine Hat	27.6	--	-	21.0	--	21.0	35.4
Milk River	3 129.7	--	-	1 932.6	1.6	1 931.0	35.9
Rex	56.8	--	-	43.2	4.0	39.2	34.4
Ribstone Creek	34.3	--	-	24.5	--	24.5	34.4
Roseray	552.9	--	-	260.5	46.6	213.9	37.4
Second White Specks	5 345.6	--	-	3 449.1	38.8	3 410.3	35.4
Spinney Hill	93.5	--	-	67.7	--	67.7	32.0
St. Walburg	518.3	--	-	397.8	--	397.8	35.2
Upper Shaunavon	523.8	--	-	372.8	0.6	372.2	36.0
Viking	8 203.7	--	-	5 758.6	228.7	5 529.9	37.4
Waseca	45.7	--	-	34.7	1.2	33.5	34.2
TOTAL NON-ASSOCIATED	104 053.2			73 224.3	26 562.5	46 661.8	

1983 PRODUCTION										
YEARLY TOTAL MILLION CUBIC METRES	DAILY AVERAGE MILLION CUBIC METRES/DAY	DEVELOPED AREA HECTARES	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	AVERAGE CONNATE WATER PER CENT	SPECIFIC GRAVITY	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL PRODUCING HORIZON
										LIEBENTHAL
10.436	0.029	7 252	2.07	16.0	45.0	0.578	396	Cretaceous	1974	Milk River
										LLOYDMINSTER
2.103	0.007	1 012	4.16	25.0	30.0	0.568	518	Cretaceous	1935	Colony Sand
										MARENGO
0	0	1 410	1.89	25.0	35.0	0.576	728	Cretaceous	1954	Viking Sand
										MILTON
11.390	0.031	4 897	1.74	25.0	32.0	0.604	732	Cretaceous	1954	Viking Sand
										PIERCELAND
25.447	0.121	3 818	9.27	35.0	40.0	0.564	272	Cretaceous	1969	Mannville Sand
										TOTNES
7.112	0.019	1 55[illegible]	2.71	25.0	40.0	0.584	613	Cretaceous	1969	Viking Sand (Voluntary Unit)
0.329	0.001	518	2.71	25.0	40.0	0.584	--	--	--	Viking Sand (Non Unit)
										UNITY FIELD
0	0	2 161	4.88	26.0	20.0	0.600	632	Cretaceous	1944	Unity Sand
0	0	1 042	1.52	21.6	35.0	0.600	503	Cretaceous	1945	Viking Sand
										WHITESIDE
11.929	0.040	3 885	2.74	35.0	30.0	0.568	229	Cretaceous	1962	Victoria Sand (Voluntary Unit)
										WHITESIDE WEST
13.475	0.037	3 980	2.22	22.8	32.0	0.578	724	Cretaceous	1956	Viking Sand
										MISCELLANEOUS
0	0	129	--	--	--	--	--	Mississippian	--	Alida
10.367	0.028	1 926	--	--	--	--	--	Mississippian	--	Bakken
0.981	0.003	682	--	--	--	--	--	Cretaceous	--	Cantuar
107.541	0.295	8 033	--	--	--	--	--	Cretaceous	--	Colony
2.610	0.022	32	--	--	--	--	--	Cretaceous	--	Cummings
--	--	--	--	--	--	--	--	Pre-Cretaceous	--	Detrital
0	0	131	--	--	--	--	--	Cretaceous	--	Lloydminster
8.095	0.022	2 150	--	--	--	--	--	Cretaceous	--	Mannville
46.189	0.127	4 125	--	--	--	--	--	Cretaceous	--	McLaren
0	0	--	--	--	--	--	--	Cretaceous	--	Medicine Hat
0	0	259	--	--	--	--	--	Cretaceous	--	Milk River
1.084	0.003	294	--	--	--	--	--	Cretaceous	--	Rex
0	0	--	--	--	--	--	--	Cretaceous	--	Ribstone Creek
--	--	1 708	--	--	--	--	--	Cretaceous	--	Roseray
25.107	0.069	3 367	--	--	--	--	--	Cretaceous	--	Second White Specks
0	0	--	--	--	--	--	--	Cretaceous	--	Spinney Hill
0	0	--	--	--	--	--	--	Cretaceous	--	St. Walburg
0	0	--	--	--	--	--	--	Jurassic	--	Upper Shaunavon
2.285	0.006	2 067	--	--	--	--	--	Cretaceous	--	Viking
0.544	0.001	--	--	--	--	--	--	Cretaceous	--	Waseca
1 134.129	3.497									TOTAL NON-ASSOCIATED

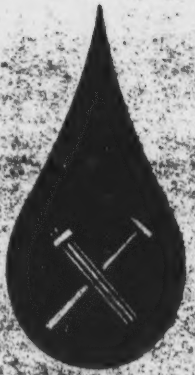
TEMPERATURE BASE 15^{0}C

PRESSURE BASE 101.325 kPa

POOL PRODUCING HORIZON	INITIAL GAS IN PLACE MILLION CUBIC METRES	RESERVOIR RECOVERY PER CENT	SURFACE LOSSES PER CENT	INITIAL ESTABLISHED RESERVES MILLION CUBIC METRES	CUMULATIVE PRODUCTION DEC. 31/83 MILLION CUBIC METRES	REMAINING RESERVES DEC. 31/83 MILLION CUBIC METRES	ESTIMATED HEATING VALUE MAJ/M3
ASSOCIATED GAS RESERVES							
ABERFELDY							
Sparky Sand	125.4	80	5	95.3	62.7	32.6	34.4
ALIDA EAST							
Alida	833.4	45	5	356.3	160.7	195.6	45.0
ALIDA WEST							
Alida	81.9	85	5	66.1	--	66.1	45.0
AVON HILL							
Viking Sand	10.6	80	5	8.1	--	8.1	37.4
BUFFALO COULEE							
Bakken Sand	3.5	60	5	2.0	2.0	--	37.2
CANTUAR EAST							
Cantuar Sand	914.1	90	3	798.0	569.3	228.7	37.4
DEE VALLEY							
Waseca Sand	75.5	70	5	50.2	--	50.2	37.2
EPPING							
Sparky Sand	9.8	80	5	7.4	2.6	4.8	34.4
EUREKA							
Viking Sand	12.5	80	5	9.5	7.5	2.0	40.7
HOOSIER							
Bakken Sand	63.1	90	5	53.9	9.9	44.0	37.9
LASHBURN							
Waseca Sand	11.3	80	5	8.6	3.1	5.5	34.4
LONE ROCK							
Sparky Sand	2.5	80	5	1.9	0.2	1.7	34.4
NORTH HOOSIER							
Bakken Sand	11.0	85	5	8.9	4.0	4.9	37.7
NOTTINGHAM							
Alida	211.2	90	5	180.6	--	180.6	45.0
SILVERDALE							
Sparky Sand	27.2	80	5	21.0	12.4	8.6	34.4
SMILEY-DEWAR							
Viking Sand	15.7	80	5	11.9	7.2	4.7	38.3
TANGLEFLAGS							
Sparky Sand	4.7	85	5	3.8	3.0	0.8	34.4
TOTAL ASSOCIATED	2 413.4			1 683.5	844.6	838.9	
DISSOLVED GAS RESERVES							
Area II				549.8	460.3	89.5	
Area III				373.0	354.9	18.1	
Area IV				4 833.7	3 974.8	858.9	
TOTAL DISSOLVED				5 756.5	4 790.0	966.5	
PROVINCIAL TOTAL GAS RESERVES				80 664.3	32 197.1	48 467.2	

1983 PRODUCTION										
YEARLY TOTAL MILLION CUBIC METRES	DAILY AVERAGE MILLION CUBIC METRES/DAY	DEVELOPED AREA HECTARES	AVERAGE NET PAY METRES	AVERAGE POROSITY PER CENT	AVERAGE CONNATE WATER PER CENT	SPECIFIC GRAVITY	PRODUCING DEPTH METRES	PRODUCING SYSTEM	YEAR DISCOVERED	POOL PRODUCING HORIZON
										ASSOCIATED GAS RESERVES
										ABERFELDY
--	--	678	2.44	25.0	30.0	0.595	529	Cretaceous	1958	Sparky Sand
										ALIDA EAST
--	--	--	5.79	--	--	0.700	1 116	Mississippian	1954	Alida
										ALIDA WEST
--	--	--	3.05	--	--	0.700	1 137	Mississippian	1955	Alida
										AVON HILL
--	--	40	2.13	25.0	30.0	0.600	678	Cretaceous	1959	Viking Sand
										BUFFALO COULEE
--	--	8	3.05	23.0	25.0	0.565	808	Mississippian	1953	Bakken Sand
										CANTUAR EAST
--	--	1 127	8.69	25.6	41.0	0.599	960	Cretaceous	1957	Cantuar Sand
										DEE VALLEY
--	--	663	1.50	30.0	30.0	0.597	460	Cretaceous	1967	Waseca Sand
										EPPING
--	--	65	2.44	25.0	20.0	0.609	610	Cretaceous	1967	Sparky Sand
										EUREKA
0.313	0.001	65	2.01	22.4	35.0	0.622	689	Cretaceous	1954	Viking Sand
										HOOSIER
0.823	0.003	142	2.44	25.0	36.0	0.576	852	Mississippian	1972	Bakken Sand
										LASHBURN
--	--	129	4.51	25.0	30.0	0.592	498	Cretaceous	1966	Waseca Sand
										LONE ROCK
--	--	16	2.44	25.0	30.0	0.600	560	Cretaceous	1947	Sparky Sand
										NORTH HOOSIER
--	--	83	1.52	20.0	25.0	0.600	831	Mississippian	1960	Bakken Sand
										NOTTINGHAM
--	--	--	6.10	--	--	0.700	1 061	Mississippian	1956	Alida
										SILVERDALE
--	--	129	3.05	25.0	30.0	0.596	573	Cretaceous	1965	Sparky Sand
										SMILEY-DEWAR
0.289	0.001	65	2.29	25.5	32.0	0.608	694	Cretaceous	1973	Viking Sand
										TANGLEFLAGS
--	--	24	3.05	25.0	30.0	0.595	511	Cretaceous	1969	Sparky Sand
1.425	0.005									TOTAL ASSOCIATED
										DISSOLVED GAS RESERVES
10.506	0.029									Area II
--	--									Area III
77.464	0.212									Area IV
87.970	0.241									TOTAL DISSOLVED
1 223.524	3.743									PROVINCIAL TOTAL GAS RESERVES

OIL AND GAS UNITS AND ENHANCED RECOVERY PROJECTS



OIL & GAS UNITS

NAME	OPERATOR	PRODUCING ZONE	EFFECTIVE DATE	LATEST BOUNDARY REVISION	PROJECTS
AREA I					
ABERFELDY UNIT	HUSKY	SPARKY	12-1-62	5-1-66	WATERFLOOD (SUSPENDED) IN-SITU WET COMBUSTION STEAMFLOOD
BIG GULLY VOLUNTARY UNIT NO. 1	HUSKY	WASECA & MCLAREN	10-1-70	1-1-71	WATERFLOOD (SUSPENDED)
GOLDEN LAKE VOLUNTARY UNIT	HUSKY	SPARKY & WASECA	1-1-71	11-1-71	WATERFLOOD (SUSPENDED)
GULLY LAKE WASECA VOLUNTARY UNIT NO. 1	HUSKY	WASECA	8-1-71	--	WATERFLOOD
LASHBURN WASECA VOLUNTARY UNIT	HUSKY	WASECA	4-1-68	6-1-71	WATERFLOOD (SUSPENDED)
NORTH DULWICH SPARKY VOLUNTARY UNIT	HUSKY	SPARKY	10-1-70	--	WATERFLOOD
NORTHMINSTER SPARKY VOLUNTARY UNIT	HUSKY	SPARKY	3-1-70	9-1-70	WATERFLOOD (SUSENDED)
SOUTH ABERFELDY SPARKY VOLUNTARY UNIT	HUSKY	SPARKY	6-1-69	5-1-70	WATERFLOOD
SOUTH EPPING UNIT NO. 1	CANADIAN RESERVE	SPARKY & G.P.	2-1-66	9-1-67	WATERFLOOD
SOUTH WEST EPPING SPARKY VOLUNTARY UNIT NO. 1	CANADIAN RESERVE	SPARKY	1-1-72	7-1-73	WATERFLOOD
TANGLEFLAGS VOLUNTARY UNIT NO. 2	HUDSON'S BAY	LLOYDMINSTER	3-1-81	--	WATERFLOOD
TANGLEFLAGS VOLUNTARY UNIT NO. 3	MOBIL	G.P. & LLOYDMINSTER	2-1-81	--	--
AREA II					
BAYHURST VIKING VOLUNTARY GAS UNIT	SPC	VIKING	11-1-66	--	GAS STORAGE
BROCK VIKING SAND GAS UNIT	HUSKY	VIKING	3-1-54	--	--
COLEVILLE-SMILEY VIKING SAND GAS UNIT	ESSO RESOURCES	VIKING	7-1-55	4-1-72	--
DODSLAND VIKING GAS VOLUNTARY UNIT	DOME	VIKING	11-1-67	1-1-70	--
EAGLE LAKE VIKING VOLUNTARY UNIT	ESSO RESOURCES	VIKING	10-1-66	--	WATERFLOOD
GLENEATH UNIT	ERSKINE	VIKING	6-1-66	10-1-67	WATERFLOOD
GLIDDEN VIKING GAS VOLUNTARY UNIT NO. 1	HUSKY	VIKING	9-1-72	--	--

ENHANCED RECOVERY PROJECTS

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS PROD./INJ.		FIRST INJECTION	AVERAGE INJECTION RATE M^3/DAY	NAME
						AREA I ------
MANNVILLE	INV. 9-SPOT & 5-SPOT	155	--	05-64	--	ABERFELDY UNIT
GLACIAL DRIFT	INV. 9-SPOT & 5-SPOT	33	--	07-69	--	
SURFACE WATER	INV. 9-SPOT	42	9	02-81	--	
DINA	5-SPOT	 33	-- --	10-70	-- --	BIG GULLY VOLUNTARY UNIT NO. 1
DINA	MOD. 9-SPOT	 66	-- --	04-71	-- --	GOLDEN LAKE VOLUNTARY UNIT
DINA	INV. & MOD. 9-SPOT	24	7	07-71	88	GULLY LAKE WASECA VOLUNTARY UNIT NO. 1
DINA	5-SPOT	27	--		--	LASHBURN WASECA VOLUNTARY UNIT
GLACIAL DRIFT	--	5	0	10-70	0	NORTH DULWICH SPARKY VOLUNTARY UNIT
DINA	5-SPOT	34	0	10-70	0	NORTHMINSTER SPARKY VOLUNTARY UNIT
DINA	5-SPOT	59	21	09-69	384	SOUTH ABERFELDY SPARKY VOLUNTARY UNIT
MANNVILLE	INV. 9-SPOT	66	25	08-66	911	SOUTH EPPING UNIT NO. 1
DINA	INV. 9-SPOT	43	13	03-72	369	SOUTH WEST EPPING SPARKY VOLUNTARY UNIT NO. 1
SURFACE WATER	INV. 9-SPOT	19	5	--	150	TANGLEFLAGS VOLUNTARY UNIT NO. 2
-- --	-- --	8 38	-- --	-- --	-- --	TANGLEFLAGS VOLUNTARY UNIT NO. 3
						AREA II -------
--	--	--	--	--	--	BAYHURST VIKING VOLUNTARY GAS UNIT
--	--	2	--	--	--	BROCK VIKING SAND GAS UNIT
--	--	33	--	--	--	COLEVILLE-SMILEY VIKING SAND GAS UNIT
--	--	12	--	--	--	DODSLAND VIKING GAS VOLUNTARY UNIT
BELLY RIVER	INV. 9-SPOT	106	24	01-67	140	EAGLE LAKE VIKING VOLUNTARY UNIT
BELLY RIVER	INV. 9-SPOT	90	25	10-66	300	GLENEATH UNIT
--	--	0	--	--	--	GLIDDEN VIKING GAS VOLUNTARY UNIT NO. 1

NAME	OPERATOR	PRODUCING ZONE	EFFECTIVE DATE	LATEST BOUNDARY REVISION	PROJECTS
HOOSIER BAKKEN SAND VOL. UNIT NO. 1	DOME	BAKKEN	3-1-81	--	WATERFLOOD
HOOSIER VIKING SAND GAS UNIT	UNITED CANSO	VIKING	8-1-57	--	--
LUCKY HILLS VIKING SAND VOLUNTARY GAS UNIT	GOLDEN EAGLE	VIKING	6-1-71	--	--
NORTH EUREKA UNIT	UNITED CANSO	VIKING	9-1-65	12-1-71	WATERFLOOD
NORTH HOOSIER BAKKEN SAND VOLUNTARY UNIT	DOME	BAKKEN	7-1-70	8-1-73	WATERFLOOD
NORTH HOOSIER BASAL BLAIRMORE VOLUNTARY UNIT	ERSKINE	MANNVILLE	1-1-69	5-1-80	WATERFLOOD
PLATO VIKING VOLUNTARY UNIT NO. 1	TRI LINK	VIKING	4-1-73	--	WATERFLOOD
SMILEY VIKING GAS VOLUNTARY UNIT NO. 4	WESTERN DECALTA	VIKING	6-1-70	--	--
SOUTH EUREKA UNIT	GOLDEN EAGLE	VIKING	4-1-65	9-1-71	WATERFLOOD
TOTNES VIKING GAS VOLUNTARY UNIT NO. 1	ICG RESOURCES	VIKING	1-1-71	--	--
WEST BAYHURST VIKING GAS VOLUNTARY UNIT	OLIPHANT	VIKING	2-1-72	--	--
WHITESIDE UNIT	JCIP	VIKING	9-1-64	--	WATERFLOOD (SUSPENDED)
WHITESIDE VICTORIA VOLUNTARY GAS UNIT	GOLDEN EAGLE	VICTORIA	1-1-68	--	--
AREA III					
ANTELOPE LAKE UPPER SHAUNAVON VOLUNTARY UNIT	WESTERN DECALTA	UPPER SHAUNAVON	3-1-75	--	WATERFLOOD
BATTRUM UNIT NO. 1	MOBIL	ROSERAY	10-1-64	6-1-69	WATERFLOOD IN-SITU WET COMBUSTION
BATTRUM UNIT NO. 2	MOBIL	ROSERAY	10-1-64	--	IN-SITU WET COMBUSTION
BATTRUM UNIT NO. 3	MOBIL	ROSERAY	6-1-66	--	WATERFLOOD IN-SITU WET COMBUSTION
BATTRUM UNIT NO. 4	SCEPTRE	ROSERAY	6-1-66	--	WATERFLOOD
BEVERLEY UNIT NO. 1	MOBIL	UPPER & LOWER ROSERAY	5-1-66	--	WATERFLOOD
BONE CREEK UNIT	SASKOIL	UPPER SHAUNAVON	6-1-58	7-1-60	WATERFLOOD

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS PROD./INJ.		FIRST INJECTION	AVERAGE INJECTION RATE M^3/DAY	NAME
		PROD.	INJ.			
PRODUCED WATER	--	8	2	01-75	182	HOOSIER BAKKEN SAND VOL. UNIT NO. 1
--	--	16	--	--	--	HOOSIER VIKING SAND GAS UNIT
--	--	7	--	--	--	LUCKY HILLS VIKING SAND VOLUNTARY GAS UNIT
BELLY RIVER	INV. 9-SPOT	48	18	03-63	483	NORTH EUREKA UNIT
RIBSTONE CREEK	LINE DRIVE	17	3	08-70	859	NORTH HOOSIER BAKKEN SAND VOLUNTARY UNIT
LEA PARK	--	14	7	12-66	398	NORTH HOOSIER BASAL BLAIRMORE VOLUNTARY UNIT
BELLY RIVER	INV. 9-SPOT	21	2	01-73	17	PLATO VIKING VOLUNTARY UNIT NO. 1
--	--	--	--	--	--	SMILEY VIKING GAS VOLUNTARY UNIT NO. 4
RIBSTONE CREEK & BELLY RIVER	INV. 9-SPOT	67	19	09-73	190	SOUTH EUREKA UNIT
--	--	2	--	--	--	TOTNES VIKING GAS VOLUNTARY UNIT NO. 1
--	--	1	--	--	--	WEST BAYHURST VIKING GAS VOLUNTARY UNIT
PRODUCED WATER	--	26	--	05-65	--	WHITESIDE UNIT
--	--	3	--	--	--	WHITESIDE VICTORIA VOLUNTARY GAS UNIT
						AREA III
ROSERAY	--	3	1	10-76	13	ANTELOPE LAKE UPPER SHAUNAVON VOLUNTARY UNIT
BELLY RIVER	PERIPHERAL	67	3	03-62	1 483	BATTRUM UNIT NO. 1
--	--		6	10-66		
--	--	7	2	11-65	259	BATTRUM UNIT NO. 2
MANNVILLE	INV. 9-SPOT	20	1	12-66	273	BATTRUM UNIT NO. 3
--	--		2	08-67		
MANNVILLE	INV. 9-SPOT	13	4	08-66	374	BATTRUM UNIT NO. 4
MANNVILLE	PERIPHERAL	16	4	01-66	904	BEVERLEY UNIT NO. 1
BELLY RIVER	PERIPHERAL & INV. 9-SPOT	31	11	05-60	1 377	BONE CREEK UNIT

NAME	OPERATOR	PRODUCING ZONE	EFFECTIVE DATE	LATEST BOUNDARY REVISION	PROJECTS
BUTTE VOLUNTARY UNIT	MUSKETEER	UPPER SHAUNAVON	1-1-71	2-1-72	WATERFLOOD
CANTUAR UNIT	MOBIL	CANTUAR & LOWER ROSERAY	10-1-59	--	WATERFLOOD
COVINGTON UNIT NO. 1	MOBIL	UPPER SHAUNAVON	7-1-69	--	WATERFLOOD
DELTA UNIT NO. 1	MOBIL	UPPER SHAUNAVON	4-1-66	6-1-69	WATERFLOOD
DELTA UNIT NO. 2	MOBIL	UPPER SHAUNAVON	8-1-69	--	WATERFLOOD
DOLLARD UNIT	ABERFORD	UPPER SHAUNAVON	9-1-55	7-1-72	WATERFLOOD
EAST BEVERLEY VOLUNTARY GAS UNIT NO. 1	MOBIL	CANTUAR	8-1-78	--	--
EAST CANTUAR GAS UNIT	MUSKETEER	CANTUAR & ROSERAY	3-1-75	--	GAS STORAGE
EAST CANTUAR UNIT NO. 1	MOBIL	CANTUAR & ROSERAY	3-1-75	--	WATERFLOOD (CANTUAR & ROSERAY)
EAST CANTUAR UNIT NO. 2	MUSKETEER	ROSERAY & CANTUAR	3-1-75	--	WATERFLOOD (ROSERAY)
EAST DOLLARD VOLUNTARY UNIT	AMERICAN EAGLE	UPPER SHAUNAVON	10-1-70	--	WATERFLOOD
FOSTERTON MAIN UNIT	MOBIL	ROSERAY	7-1-58	--	WATERFLOOD
FOSTERTON N.W. UNIT	MOBIL	ROSERAY	7-1-58	9-1-70	WATERFLOOD (SUSPENDED) IN-SITU WET COMBUSTION
GULL LAKE CANTUAR VOLUNTARY UNIT NO. 1	MUSKETEER	CANTUAR	5-1-72	--	WATERFLOOD
GULL LAKE NORTH SHAUNAVON POOL UNIT	MOBIL	UPPER SHAUNAVON	10-1-58	--	WATERFLOOD
GULL LAKE UPPER SHAUNAVON VOLUNTARY UNIT NO. 1	MUSKETEER	UPPER SHAUNAVON	5-1-72	--	WATERFLOOD
HATTON GAS UNIT	SPC	MEDICINE HAT	5-1-59	--	--
HAZLET UNIT	NORCEN	ROSERAY	8-1-66	--	--
ILLERBRUN VOLUNTARY UNIT	MUSKETEER	UPPER SHAUNAVON	11-1-66	5-1-67	WATERFLOOD
INSTOW UNIT	ABERFORD	UPPER SHAUNAVON	10-1-59	--	WATERFLOOD
JOHNSTON UNIT	MUSKETEER	BASAL CANTUAR & UPPER SHAUNAVON	1-1-63	--	WATERFLOOD (BASAL CANTUAR)
LEITCHVILLE SHAUNAVON VOLUNTARY UNIT	SUNCOR	SHAUNAVON	1-1-68	--	WATERFLOOD
NORTH PREMIER UNIT NO. 1	MOBIL	ROSERAY & UPPER SHAUNAVON	10-1-64	--	WATERFLOOD (ROSERAY)

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS PROD./INJ.		FIRST INJECTION	AVERAGE INJECTION RATE M^3/DAY	NAME
BELLY RIVER	INV. 9-SPOT	26	6	11-70	144	BUTTE VOLUNTARY UNIT
BELLY RIVER	PERIPHERAL	73 11	24 --	08-60 --	1 801 --	CANTUAR UNIT
ROSERAY SAND	--	2	1	11-68	18	COVINGTON UNIT NO. 1
BELLY RIVER	INV. 9-SPOT	34	11	12-65	1 087	DELTA UNIT NO. 1
BELLY RIVER	--	14	3	10-69	151	DELTA UNIT NO. 2
VIKING, BELLY R. & MANNVILLE	SEMI-PERIPHERAL	42	18	03-56	3 125	DOLLARD UNIT
--	--	2	--	--	--	EAST BEVERLEY VOLUNTARY GAS UNIT NO. 1
--	--	--	--	--	--	EAST CANTUAR GAS UNIT
MANNVILLE	--	6 6	2 3	09-75 03-69	176 286	EAST CANTUAR UNIT NO. 1
MANNVILLE	--	4 1	1 --	01-76 --	69 --	EAST CANTUAR UNIT NO. 2
BELLY RIVER	--	8	1	10-70	310	EAST DOLLARD VOLUNTARY UNIT
BELLY RIVER	LINE DRIVE	15	17	06-56	3 056	FOSTERTON MAIN UNIT
BELLY RIVER	--	--	--	03-57	--	FOSTERTON N.W. UNIT
--	--	7	1	03-70	100	
BELLY RIVER	PERIPHERAL & MOD. 9-SPOT	6	4	06-70	195	GULL LAKE CANTUAR VOLUNTARY UNIT NO. 1
SURFACE WATER	--	21	3	08-56	1 192	GULL LAKE NORTH SHAUNAVON POOL UNIT
BELLY RIVER	--	6	2	05-72	121	GULL LAKE UPPER SHAUNAVON VOLUNTARY UNIT NO. 1
--	--	161	--	--	--	HATTON GAS UNIT
--	--	3	--	--	--	HAZLET UNIT
BELLY RIVER	--	5	3	04-66	567	ILLERBRUN VOLUNTARY UNIT
BELLY RIVER & RAVENSCRAG	PERIPHERAL	45	16	12-57	3 330	INSTOW UNIT
SURFACE WATER --	-- --	3 1	2 --	03-63 --	93 --	JOHNSTON UNIT
BELLY RIVER	--	8	3	07-64	53	LEITCHVILLE SHAUNAVON VOLUNTARY UNIT
MANNVILLE	--	4 1	3 --	07-64	880	NORTH PREMIER UNIT NO. 1

NAME	OPERATOR	PRODUCING ZONE	EFFECTIVE DATE	LATEST BOUNDARY REVISION	PROJECTS
NORTH PREMIER UNIT NO. 2	MOBIL	PREMIER SAND	7-1-66	--	WATERFLOOD
NORTH PREMIER VOLUNTARY UNIT NO. 4	MOBIL	ROSERAY & UPPER SHAUNAVON	9-1-80	--	WATERFLOOD
NORTH PREMIER UPPER SHAUNAVON VOLUNTARY UNIT	SUNCOR	UPPER SHAUNAVON	11-1-72	--	WATERFLOOD
NORTH RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT	ESSO RESOURCES	UPPER SHAUNAVON	2-1-68	5-1-68	WATERFLOOD
RAPDAN UNIT	ABERFORD	UPPER SHAUNAVON	10-1-57	7-1-65	WATERFLOOD
RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT NO. 2	SASKOIL	UPPER SHAUNAVON	4-1-74	--	WATERFLOOD
SOUTHWEST SUCCESS VOLUNTARY UNIT	ATCOR	ROSERAY AND CANTUAR	4-1-83	--	WATERFLOOD
SUCCESS UNIT	MOBIL	ROSERAY AND FOSTERTON	12-1-57	--	WATERFLOOD
SUCCESS ALPHA UNIT	MOBIL	ROSERAY	7-1-60	--	WATERFLOOD
SUCCESS MAIN UNIT	MOBIL	CANTUAR, ROSERAY AND FOSTERTON	9-1-62	--	WATERFLOOD (ROSERAY)
SUFFIELD UNIT NO. 1	MOBIL	ROSERAY	7-1-66	4-1-72	WATERFLOOD
SUFFIELD UNIT NO. 2	MOBIL	UPPER SHAUNAVON	9-1-70	--	WATERFLOOD
SUFFIELD UNIT NO. 3	MOBIL	ROSERAY & UPPER SHAUNAVON	6-1-71	4-1-72	WATERFLOOD
VERLO ROSERAY SAND UNIT	MOBIL	ROSERAY	9-1-70	10-1-72	WATERFLOOD
WEST FOSTERTON VOLUNTARY UNIT	TEXACO	ROSERAY	3-1-67	--	WATERFLOOD
AREA IV					
ALAMEDA CENTRAL UNIT	GULF	MIDALE	12-1-62	6-1-69	WATERFLOOD
ALAMEDA EAST UNIT	MUSKETEER	MIDALE	8-1-62	9-1-65	WATERFLOOD
ALIDA UNIT	MOBIL	ALIDA	12-1-57	--	--
ANTLER VOLUNTARY UNIT NO. 1	PLACID	MIDALE	11-1-71	--	WATERFLOOD
BENSON UNIT	SHELL	MIDALE	2-1-65	9-1-67	WATERFLOOD
BENSON MIDALE BEDS VOLUNTARY UNIT NO. 1	MUSKETEER	MIDALE	11-1-67	6-1-68	WATERFLOOD
CANTAL FROBISHER-ALIDA BEDS VOLUNTARY UNIT NO. 1	SASKOIL	FROBISHER-ALIDA	1-1-72	--	--

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS		FIRST INJECTION	AVERAGE INJECTION RATE M^3/DAY	NAME
		PROD./	INJ.			
MANNVILLE	--	1	1	06-67	65	NORTH PREMIER UNIT NO. 2
MANNVILLE	PERIPHERAL --	10 16	5 1	02-65 12-80	1 624 131	NORTH PREMIER VOLUNTARY UNIT NO. 4
MANNVILLE	--	7	2	02-73	19	NORTH PREMIER UPPER SHAUNAVON VOLUNTARY UNIT
BELLY RIVER	--	6	1	07-68	8	NORTH RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT
BELLY RIVER	PERIPHERAL	31	14	11-62	499	RAPDAN UNIT
BELLY RIVER	PARTIAL 5-SPOT	4	1	04-74	29	RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT NO. 2
--	--	10 1	1 --	10-80	82	SOUTHWEST SUCCESS VOLUNTARY UNIT
MANNVILLE	PERIPHERAL	21	4	08-58	1 486	SUCCESS UNIT
MANNVILLE	--	5	1	09-60	429	SUCCESS ALPHA UNIT
MANNVILLE	PERIPHERAL	10	4	09-56	1 045	SUCCESS MAIN UNIT
BELLY RIVER	PERIPHERAL	10	2	05-66	886	SUFFIELD UNIT NO. 1
BELLY RIVER	--	12	3	07-70	461	SUFFIELD UNIT NO. 2
BELLY RIVER	PERIPHERAL	9 4	4 1	06-70	1 055 29	SUFFIELD UNIT NO. 3
MANNVILLE	--	12	3	06-65	3 184	VERLO ROSERAY SAND UNIT
BELLY RIVER	--	7	2	04-67	321	WEST FOSTERTON VOLUNTARY UNIT
						AREA IV -------
MANNVILLE	INV. 9-SPOT	14	6	03-60	99	ALAMEDA CENTRAL UNIT
MANNVILLE	INV. 9-SPOT	38	20	12-62	440	ALAMEDA EAST UNIT
--	--	26	--	--	--	ALIDA UNIT
MANNVILLE	--	3	1	11-68	30	ANTLER VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	39	10	11-64	183	BENSON UNIT
MANNVILLE	INV. 9-SPOT	14	1	11-67	19	BENSON MIDALE BEDS VOLUNTARY UNIT NO. 1
--	--	3	--	--	--	CANTAL FROBISHER-ALIDA BEDS VOLUNTARY UNIT NO. 1

NAME	OPERATOR	PRODUCING ZONE	EFFECTIVE DATE	LATEST BOUNDARY REVISION	PROJECTS
CARNDUFF VOLUNTARY UNIT NO. 1	SCEPTRE	MIDALE	12-1-70	--	WATERFLOOD
CULLEN UNIT	NORCEN	MIDALE	10-1-65	5-1-66	--
DOUGLASTON-FROBISHER BEDS UNIT	DOME	FROBISHER	6-1-64	--	--
DOUGLASTON-MIDALE BEDS UNIT	DOME	MIDALE	6-1-64	10-1-67	WATERFLOOD
EAST CARNDUFF UNIT	GULF	MIDALE	5-1-62	11-1-65	WATERFLOOD
ELMORE FROBISHER BEDS VOLUNTARY UNIT NO. 1	ESSO RESOURCES	FROBISHER	12-1-69	--	WATERFLOOD
FLAT LAKE RATCLIFFE VOLUNTARY UNIT NO. 1	PANCANADIAN	RATCLIFFE	8-1-68	9-1-69	WATERFLOOD
FLETWODE ALIDA VOLUNTARY UNIT	CANADIAN OCCIDENTAL	ALIDA	10-1-68	--	--
GAINSBOROUGH FROBISHER-ALIDA VOLUNTARY UNIT	BERRY	FROBISHER-ALIDA	11-1-72	--	WATERFLOOD (FROBISHER)
GLEN EWEN UNIT	MUSKETEER	MIDALE	4-1-63	--	WATERFLOOD
HASTINGS FROBISHER UNIT	UNION	FROBISHER	7-1-71	--	WATERFLOOD
HASTINGS FROBISHER BEDS VOLUNTARY UNIT NO. 1	GULF	FROBISHER	1-1-70	--	WATERFLOOD
HASTINGS FROBISHER BEDS VOLUNTARY UNIT NO. 2	MONT	FROBISHER	10-1-70	--	WATERFLOOD
HUMMINGBIRD BIRDBEAR VOLUNTARY UNIT NO. 1	HUDSON'S BAY	BIRDBEAR	12-1-68	--	--
HUMMINGBIRD RATCLIFFE VOLUNTARY UNIT NO. 1	HUDSON'S BAY	RATCLIFFE	12-1-68	--	WATERFLOOD
HUNTOON MIDALE BEDS VOLUNTARY UNIT NO. 1	TEXACO	MIDALE	2-1-74	--	WATERFLOOD
INGOLDSBY MISSION CANYON VOLUNTARY UNIT	ESSO RESOURCES	ALIDA	9-1-66	--	--
KENOSEE TILSTON BEDS VOLUNTARY UNIT	ABERFORD	TILSTON	9-1-69	--	--
KISBEY UPPER HASTINGS VOLUNTARY UNIT NO. 1	DAG RESOURSES	UPPER HASTINGS	4-1-74	--	--
LAKE ALMA VOLUNTARY UNIT	PANCANADIAN	RATCLIFFE	4-1-69	--	WATERFLOOD
LAMPMAN UNIT	GULF	MIDALE	3-1-64	10-1-67	WATERFLOOD
LOST HORSE HILL FROBISHER-ALIDA BEDS VOLUNTARY UNIT NO. 1	ESSO RESOURCES	FROBISHER-ALIDA	1-1-71	--	--
MIDALE UNIT	SHELL	MIDALE	8-1-62	9-1-67	WATERFLOOD
NORTH ALAMEDA UNIT	GULF	MIDALE	5-1-63	--	WATERFLOOD

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS		FIRST INJECTION	AVERAGE INJECTION RATE M^3/DAY	NAME
		PROD.	INJ.			
RAVENSCRAG	--	4	1	05-71	34	CARNDUFF VOLUNTARY UNIT NO. 1
--	--	8	--	--	--	CULLEN UNIT
--	--	4	--	--	--	DOUGLASTON-FROBISHER BEDS UNIT
MANNVILLE	LINE DRIVE	12	8	06-64	239	DOUGLASTON-MIDALE BEDS UNIT
MANNVILLE	INV. 9-SPOT	108	19	07-62	1 273	EAST CARNDUFF UNIT
MANNVILLE	INV. 9-SPOT	26	3	11-70	169	ELMORE FROBISHER BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	29	8	10-68	446	FLAT LAKE RATCLIFFE VOLUNTARY UNIT NO. 1
--	--	3	--	--	--	FLETWODE ALIDA VOLUNTARY UNIT
PRODUCED WATER	--	7	1	08-73	99	GAINSBOROUGH FROBISHER-ALIDA VOLUNTARY UNIT
MANNVILLE	INV. 9-SPOT	36	5	10-63	402	GLEN EWEN UNIT
MANNVILLE	INV. 9-SPOT	10	2	10-67	181	HASTINGS FROBISHER UNIT
MANNVILLE	PERIPHERAL	29	5	11-66	294	HASTINGS FROBISHER BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT & PERIPHERAL	21	6	11-66	351	HASTINGS FROBISHER BEDS VOLUNTARY UNIT NO. 2
--	--	2	--	--	--	HUMMINGBIRD BIRDBEAR VOLUNTARY UNIT NO. 1
MANNVILLE	--	9	2	12-67	124	HUMMINGBIRD RATCLIFFE VOLUNTARY UNIT NO. 1
PRODUCED WATER	--	19	5	09-74	46	HUNTOON MIDALE BEDS VOLUNTARY UNIT NO. 1
--	--	38	--	--	--	INGOLDSBY MISSION CANYON VOLUNTARY UNIT
--	--	28	--	--	--	KENOSEE TILSTON BEDS VOLUNTARY UNIT
--	--	4	--	--	--	KISBEY UPPER HASTINGS VOLUNTARY UNIT NO. 1
MANNVILLE	--	5	3	06-70	335	LAKE ALMA VOLUNTARY UNIT
MANNVILLE	INV. 9-SPOT	9	3	04-64	78	LAMPMAN UNIT
--	--	24	--	--	--	LOST HORSE HILL FROBISHER-ALIDA BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	253	76	06-60	2 963	MIDALE UNIT
MANNVILLE	PERIPHERAL	6	4	12-59	86	NORTH ALAMEDA UNIT

NAME	OPERATOR	PRODUCING ZONE	EFFECTIVE DATE	LATEST BOUNDARY REVISION	PROJECTS
NORTH CANTAL UNIT	ESSO RESOURCES	ALIDA	1-1-66	4-1-69	--
NORTH CENTRAL WILLMAR VOLUNTARY UNIT	ABERFORD	FROBISHER-ALIDA	3-1-76	--	WATERFLOOD
NORTH DALESBORO UNIT NO. 1	ESSO RESOURCES	FROBISHER-ALIDA	12-1-70	--	WATERFLOOD
NOTTINGHAM NORTH ALIDA BEDS UNIT	MOBIL	ALIDA	10-1-60	--	--
OUNGRE VOLUNTARY UNIT NO. 1	SUNCOR	OUNGRE	1-1-68	12-1-69	WATERFLOOD
QUEENSVILLE WILLMAR KISBEY SAND VOLUNTARY UNIT	GULF	KISBEY SAND	7-1-69	--	--
ROSEBANK FROBISHER ALIDA BEDS VOLUNTARY UNIT NO. 1	ESSO RESOURCES	FROBISHER-ALIDA	3-1-69	7-1-71	--
SOUTH ALAMEDA UNIT	SUNCOR	MIDALE	10-1-65	--	WATERFLOOD
SOUTH PINTO UNIT	DOME	MIDALE	2-1-65	10-1-66	WATERFLOOD
STEELMAN FROBISHER BEDS VOLUNTARY UNIT NO. 1	GULF	FROBISHER	10-1-70	--	--
STEELMAN NORTH MIDALE VOLUNTARY UNIT NO. 1	CHEROKEE	MIDALE	5-1-83	--	WATERFLOOD
STEELMAN UNIT NO. IA	ESSO RESOURCES	MIDALE	7-1-61	4-1-69	WATERFLOOD
STEELMAN UNIT NO. II	ESSO RESOURCES	MIDALE	7-1-61	--	WATERFLOOD
STEELMAN UNIT NO. III	GULF	MIDALE	7-1-61	--	WATERFLOOD
STEELMAN UNIT NO. IV	GULF	MIDALE	7-1-61	4-1-69	WATERFLOOD
STEELMAN UNIT NO. V	SUNCOR	MIDALE	7-1-61	7-1-65	WATERFLOOD
STEELMAN UNIT NO. VI	GULF	MIDALE	7-1-61	9-1-68	WATERFLOOD
STEELMAN UNIT NO. VII	SUNCOR	MIDALE	6-1-62	--	WATERFLOOD
VIEWFIELD VOLUNTARY UNIT NO.1	PANCANADIAN	FROBISHER	5-1-74	--	--
WEST CARNDUFF UNIT	ESSO RESOURCES	MIDALE	1-1-61	5-1-62	WATERFLOOD
WEYBURN UNIT	PANCANADIAN	MIDALE	7-1-63	3-1-71	WATERFLOOD
WILLMAR FROBISHER-ALIDA VOLUNTARY UNIT NO. 1	SCEPTRE	FROBISHER-ALIDA	1-1-68	--	WATERFLOOD
WORKMAN-FROBISHER VOLUNTARY UNIT NO. 1	SCURRY-RAINBOW	FROBISHER	4-1-67	--	WATERFLOOD
WORKMAN-MIDALE VOLUNTARY UNIT NO. 1	SADELLE	MIDALE	4-1-68	--	WATERFLOOD
WORKMAN-MIDALE VOLUNTARY UNIT NO. 2	SCURRY-RAINBOW	MIDALE	9-1-68	--	WATERFLOOD

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS PROD./INJ.		FIRST INJECTION	AVERAGE INJECTION RATE M^3/DAY	NAME
--	--	10	--	--	--	NORTH CANTAL UNIT
MANNVILLE	--	6	1	11-76	6	NORTH CENTRAL WILLMAR VOLUNTARY UNIT
MANNVILLE	--	10	2	02-71	174	NORTH DALESBORO UNIT NO. 1
--	--	24	--	--	--	NOTTINGHAM NORTH ALIDA BEDS UNIT
MANNVILLE	INV. 9-SPOT	44	9	12-66	316	OUNGRE VOLUNTARY UNIT NO. 1
--	--	3	--	--	--	QUEENSVILLE WILLMAR KISBEY SAND VOLUNTARY UNIT
--	--	29	--	--	--	ROSEBANK FROBISHER ALIDA BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	13	5	02-63	118	SOUTH ALAMEDA UNIT
MANNVILLE	PERIPHERAL	26	6	02-65	259	SOUTH PINTO UNIT
--	--	8	--	--	--	STEELMAN FROBISHER BEDS VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	17	--	--	--	STEELMAN NORTH MIDALE VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	100	34	09-58	1 032	STEELMAN UNIT NO. IA
MANNVILLE	INV. 9-SPOT	59	7	02-62	1 179	STEELMAN UNIT NO. II
MANNVILLE	INV. 9-SPOT	59	19	01-62	1 416	STEELMAN UNIT NO. III
MANNVILLE	INV. 9-SPOT	98	38	02-62	1 318	STEELMAN UNIT NO. IV
MANNVILLE	INV. 9-SPOT	37	19	02-62	504	STEELMAN UNIT NO. V
MANNVILLE	INV. 9-SPOT	102	42	02-62	2 797	STEELMAN UNIT NO. VI
MANNVILLE	INV. 9-SPOT	13	3	10-62	97	STEELMAN UNIT NO. VII
--	--	6	--	--	--	VIEWFIELD VOLUNTARY UNIT NO.1
MANNVILLE	INV. 9-SPOT	28	12	05-61	350	WEST CARNDUFF UNIT
MANNVILLE	INV. 9-SPOT	478	134	04-64	7 414	WEYBURN UNIT
MANNVILLE	--	17	4	02-68	451	WILLMAR FROBISHER-ALIDA VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	28	12	06-67	516	WORKMAN-FROBISHER VOLUNTARY UNIT NO. 1
MANNVILLE	INV. 9-SPOT	6	1	04-68	39	WORKMAN-MIDALE VOLUNTARY UNIT NO. 1
MANNVILLE	--	6	1	09-68	81	WORKMAN-MIDALE VOLUNTARY UNIT NO. 2

NON-UNIT

NAME	OPERATOR	PRODUCING ZONE	EFFECTIVE DATE	LATEST PROJECT REVISION	PROJECTS
AREA I					
CELTIC WASECA SAND	MOBIL	WASECA	12-8-77	--	INTERMITTENT STEAM INJECTION
EYEHILL CUMMINGS SAND	MURPHY	CUMMINGS	12-8-77	--	IN-SITU COMBUSTION
GOLDEN LAKE SOUTH SPARKY SAND	HUSKY	SPARKY	11-6-68	9-24-80	IN-SITU WET COMBUSTION
GOLDEN LAKE SOUTH WASECA SAND	HUSKY	WASECA	3-19-81	--	IN-SITU WET COMBUSTION
GOLDEN LAKE SOUTH WASECA SAND	HUSKY	WASECA	2-8-82	--	IN-SITU OXYGEN WET-COMBUSTION
MISCELLANEOUS LLOYDMINSTER SAND	TEXASGULF	LLOYDMINSTER	2-4-74	3-10-81	CYCLIC STEAM STIMULATION
PIKES PEAK WASECA SAND	HUSKY	WASECA	6-10-81	11-30-82	CYCLIC STEAM STIMUATION
AREA II					
BUFFALO COULEE BAKKEN SAND	SASKOIL	BAKKEN	11-28-69	11-23-79	WATERFLOOD
BUFFALO COULEE BAKKEN SAND	PAGE	BAKKEN	11-23-79	7-31-80	WATERFLOOD
COLEVILLE BAKKEN	GENERAL AMERICAN	BAKKEN	12-18-58	6-27-78	WATERFLOOD
DODSLAND VIKING SAND	PAGE	VIKING	9-20-83	--	WATERFLOOD
SMILEY-DEWAR VIKING	ESSO RESOURCES	VIKING	9-22-61	5-2-66	WATERFLOOD
SMILEY-DEWAR VIKING	PETRO-CANADA	VIKING	1-30-73	11-1-73	WATERFLOOD
AREA III					
BEVERLEY CANTUAR SAND	MOBIL	CANTUAR	9-29-71	--	PILOT WATERFLOOD
LEON LAKE SHAUNAVON	ABERFORD	SHAUNAVON	5-5-64	10-17-68	PILOT WATERFLOOD

ENHANCED RECOVERY PROJECTS

WATER SOURCE	INJECTION PATTERN	ACTIVE WELLS		FIRST INJECTION	AVERAGE INJECTION RATE M^3/DAY	NAME
		PROD.	INJ.			
						AREA I
SURFACE WATER	INV. 9-SPOT	20	5	10-80	--	CELTIC WASECA SAND
GLACIAL DRIFT	INV. 5-SPOT	18	9	06-80	--	EYEHILL CUMMINGS SAND
DINA SAND	INV. 7-SPOT & INV. 9-SPOT	35	5	07-68	45	GOLDEN LAKE SOUTH SPARKY SAND
PRODUCED WATER	INV. 5-SPOT	17	2	04-82	--	GOLDEN LAKE SOUTH WASECA SAND
GLACIAL DRIFT	INV. 7-SPOT	9	2	07-82	--	GOLDEN LAKE SOUTH WASECA SAND
SURFACE WATER	--	18	1	07-74	419	MISCELLANEOUS LLOYDMINSTER SAND
SURFACE WATER	--	28	--	07-81	--	PIKES PEAK WASECA SAND
						AREA II
BELLY RIVER	INV. 9-SPOT	15	1	07-69	21	BUFFALO COULEE BAKKEN SAND
BELLY RIVER	INV. 9-SPOT	22	2	08-80	27	BUFFALO COULEE BAKKEN SAND
BELLY RIVER	INV. 9-SPOT & INV. 5-SPOT	195	88	01-59	4 121	COLEVILLE BAKKEN
DEADWOOD	INV. 5-SPOT	27	--	--	--	DODSLAND VIKING SAND
BELLY RIVER	INV. 9-SPOT	112	25	02-62	585	SMILEY-DEWAR VIKING
BELLY RIVER	INV. 9-SPOT	30	11	03-73	90	SMILEY-DEWAR VIKING
						AREA III
BELLY RIVER	INV. 9-SPOT	8	1	10-71	36	BEVERLEY CANTUAR SAND
RAVENSCRAG	--	3	1	08-64	15	LEON LAKE SHAUNAVON

DEVELOPMENT AND PRODUCING DATA

OIL POOLS

POOL NAME	PRODUCTION WELLS CAPABLE	 WELLS ON	 DAILY M^3/WELL	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY	SPACING REGULATIONS DRAINAGE UNITS (LSDS)	 TARGET AREA
ABERFELDY SPARKY SAND	370	303	2.4	SOLUTION GAS DRIVE WATER DRIVE PART. GAS CAP DRIVE	WATERFLOOD IN: (1)ABERFELDY UNIT (2)SOUTH ABERFELDY SPARKY VOLUNTARY UNIT IN SITU WET COMBUSTION IN: ABERFELDY UNIT STEAMFLOOD IN: ABERFELDY UNIT	1	SE 1/4 OF LSD. EXCEPT: (A)TWP 49, RGE 26, SEC: NW1/4-4, N1/2-5,8,9,W1/2-10,SW1/4-15,16,17, E1/2&NW1/4-18,20,21,28,29. TWP 48, RGE 27, SEC: N1/2-35, NW1/4-36. TWP 49, RGE 27, SEC: 1,2,11,12. WHERE: 1 NW 1/4 OF LSD. (B)TWP 49, RGE 27, SEC: 14,15, NE1/4-21,22,23,27,28. WHERE: 1 NE 1/4 OF LSD.
ALAMEDA MIDALE BEDS	118	102	1.8	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)ALAMEDA CENTRAL UNIT (2)ALAMEDA EAST UNIT (3)NORTH ALAMEDA UNIT (4)SOUTH ALAMEDA UNIT	2	ODD NUMBERED LSDS.
ALIDA EAST ALIDA BEDS	34	28	2.5	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
ALIDA WEST ALIDA BEDS	30	30	3.3	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
ALSASK BASAL BLAIRMORE SAND	3	3	0.5	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD. EXCEPT: TWP 29, RGE 29, SEC: NW1/4-10, W1/2-15,SW1/4-22.(SEE POOL REGULATIONS FOR FRACTIONAL DRAINAGE UNITS)
ANTELOPE LAKE EAST ROSERAY SAND	2	2	2.6	SOLUTION GAS DRIVE	WATERFLOOD	2	ODD NUMBERED LSDS.
ANTELOPE LAKE UPPER SHAUNAVON	4	4	2.8	SOLUTION GAS DRIVE	WATERFLOOD IN: ANTELOPE LAKE UPPER SHAUNAVON VOLUNTARY UNIT	2	EVEN NUMBERED LSDS.
ARCOLA FROBISHER-ALIDA BEDS	20	19	4.0	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
AVON HILL VIKING	87	71	0.8	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSDS.
BALDWINTON SPARKY SAND	19	12	1.8	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
BATTLE CREEK MADISON	1	1	2.1	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
BATTLE CREEK UPPER SHAUNAVON	2	1	2.8	PART. WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
BATTRUM NORTH ROSERAY SAND	7	7	4.3	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
BATTRUM ROSERAY SAND	167	110	7.5	SOLUTION GAS DRIVE PART. WATER DRIVE	IN SITU WET COMBUSTION IN: (1)BATTRUM UNIT NO. 1 (2)BATTRUM UNIT NO. 2 (3)BATTRUM UNIT NO. 3 WATERFLOOD IN: (1)BATTRUM UNIT NO. 1 (2)BATTRUM UNIT NO. 3 (3)BATTRUM UNIT NO. 4	1	CENTER OF LSD. EXCEPT: (A)TWP 18, RGE 16, SEC: 30. TWP 18, RGE 17, SEC: 25,26, E1/2-27,NE1/4-33,34,35,SE1/4&W1/2-36 WHERE: 2 EVEN NUMBERED LSDS. (B)TWP 19, RGE 17, SEC: 1,S1/2-2. WHERE: 2 ODD NUMBERED LSDS.
BENCH UPPER SHAUNAVON	25	20	2.6	SOLUTION GAS DRIVE	NONE	4	NW LSD. OF 1/4 SECTION EXCEPT: TWP 11, RGE 18, SEC: W1/2-16. WHERE: 4 NE LSD. OF 1/4 SECTION
BENSON MIDALE BEDS	81	74	2.3	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)BENSON UNIT (2)BENSON MIDALE VOLUNTARY UNIT NO. 1	4	NW LSD. OF 1/4 SECTION EXCEPT: TWP 6, RGE 8, SEC: NE1/4-19,SW1/4-30 W1/2-31. TWP 6, RGE 9, SEC: NE1/4-20,21,NE1/4 &W1/2-22,N1/2-23,25,26,27,28,29, S1/2-30,36. TWP 6, RGE 10, SEC: E1/2-24,SE1/4-25 WHERE: 2 ODD NUMBERED LSDS.
BEVERLEY CANTUAR SAND	34	31	2.3	SOLUTION GAS DRIVE	PILOT WATERFLOOD	2	EVEN NUMBERED LSDS.
BEVERLEY NORTH CANTUAR SAND	31	26	2.1	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSDS.
BEVERLEY UPPER ROSERAY SAND	31	21	3.4	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: BEVERLEY UNIT NO. 1	1	CENTER OF LSD.
BIENFAIT MIDALE BEDS	10	10	9.4	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSDS.
BIG GULLY MCLAREN SAND BIG GULLY WASECA SAND	49	34	2.9	SOLUTION GAS DRIVE	WATERFLOOD IN: BIG GULLY VOLUNTARY UNIT NO. 1	1	NW 1/4 OF LSD. EXCEPT: TWP 50, RGE 25, SEC: NE1/4-7,N1/2-8, SW1/4-17,SE1/4-18. WHERE: 1 NE 1/4 OF LSD.
BONE CREEK UPPER SHAUNAVON	31	31	3.6	SOLUTION GAS DRIVE	WATERFLOOD IN: BONE CREEK UNIT	2	EVEN NUMBERED LSDS. EXCEPT: TWP 11, RGE 19, SEC: W1/2-2,3,E1/2-4 WHERE: 2 ODD NUMBERED LSDS.
BROMHEAD MIDALE BEDS	7	6	3.0	SOLUTION GAS DRIVE	NONE	4	NW LSD. OF 1/4 SECTION
BROWNING FROBISHER-ALIDA BEDS	32	31	2.6	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
BRYANT FROBISHER BEDS	3	3	2.3	SOLUTION GAS DRIVE	NONE	4	NW LSD OF 1/4 SECTION.
BRYANT MIDALE BEDS	15	11	1.6	SOLUTION GAS DRIVE	NONE	4	NW LSD OF 1/4 SECTION.

	PRODUCTION					SPACING REGULATIONS	
POOL NAME	WELLS CAPABLE	WELLS ON	DAILY M3/WELL	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY	DRAINAGE UNITS (LSDS)	TARGET AREA
BUFFALO COULEE BAKKEN SAND	44	31	1.9	SOLUTION GAS DRIVE	WATERFLOOD	1/2	NE & SW 1/4 OF LSD.
BUFFALO COULEE NORTH BAKKEN SAND	16	12	1.6	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD.
BUTTE UPPER SHAUNAVON	27	25	3.9	SOLUTION GAS DRIVE	WATERFLOOD IN: BUTTE VOLUNTARY UNIT	4	NW LSD. OF 1/4 SECTION
BUZZARD LLOYDMINSTER SAND	33	29	1.9	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
CACTUS LAKE BASAL MANNVILLE-BAKKEN SAND	120	112	5.3	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD
CANTAL FROBISHER-ALIDA BEDS	22	20	2.1	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
CANTUAR EAST CANTUAR SAND	8	7	4.4	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: EAST CANTUAR UNIT NO. 1 GAS STORAGE IN: EAST CANTUAR GAS UNIT	2	SW 1/4 OF EVEN LSDS.
CANTUAR EAST ROSERAY SAND	20	10	3.6	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: (1)EAST CANTUAR UNIT NO. 1 (2)EAST CANTUAR UNIT NO. 2 GAS STORAGE IN: EAST CANTUAR GAS UNIT	2	SW 1/4 OF EVEN LSDS.
CANTUAR LOWER ROSERAY SAND	24	11	3.5	WATER DRIVE	NONE	1	SW 1/4 OF LSD.
CANTUAR MAIN CANTUAR SAND	89	74	3.6	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: CANTUAR UNIT	1	SW 1/4 OF LSD.
CARNDUFF FROBISHER BEDS	16	15	1.8	WATER DRIVE	NONE	2	ODD NUMBERED LSDS. EXCEPT: TWP 3. RGE 33, SEC: W1/2-5,6. TWP 3, RGE 34, SEC: 1,2,3,4,9,10,11, W1/2-12,W1/2-14,15,16. WHERE: 2 EVEN NUMBERED LSDS.
CARNDUFF MIDALE BEDS	163	157	1.1	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)WEST CARNDUFF UNIT (2)EAST CARNDUFF UNIT (3)CARNDUFF VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSDS. EXCEPT: TWP 3, RGE 33, SEC: NE1/4&W1/2-4, 5,6,7,8,9,16,17,S1/2-18. TWP 3, RGE 34, SEC: 1,2,3,4,11,12, S1/2-13. WHERE: 2 EVEN NUMBERED LSDS.
CELTIC G.P. SAND	24	21	4.0	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
CELTIC MANNVILLE SANDS	5	4	2.0	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
CELTIC SPARKY SAND	19	15	1.8	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
CELTIC WASECA SAND	69	54	3.1	SOLUTION GAS DRIVE	PILOT INTERMITTENT STEAM INJECTION	1	SE 1/4 OF LSD.
CLARILAW FROBISHER-ALIDA BEDS	11	11	2.7	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSDS.
CLINTONVILLE SHAUNAVON	6	6	1.1	SOLUTION GAS DRIVE	NONE	4	NW LSD. OF 1/4 SECTION
COLEVILLE BAKKEN SAND	241	232	2.5	SOLUTION GAS DRIVE	WATERFLOOD	1/2	NE & SW 1/4 OF LSDS.
COVINGTON UPPER SHAUNAVON	4	2	1.7	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: COVINGTON UNIT NO 1	2	EVEN NUMBERED LSDS.
COVINGTON WEST UPPER SHAUNAVON	4	3	3.3	SOLUTION GAS DRIVE	NONE	4	NE LSD. OF 1/4 SECTION
CRYSTAL HILL SOURIS VALLEY BEDS	7	5	1.2	WATER DRIVE	NONE	4	CENTER OF 1/4 SECTION
DALESBORO FROBISHER-ALIDA BEDS	1	1	1.3	PROBABLE WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
DEE VALLEY EAST SPARKY SAND	12	6	1.1	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
DEE VALLEY EAST WASECA SAND	14	10	1.8	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
DEE VALLEY WASECA SAND	51	38	2.7	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
DELTA UPPER SHAUNAVON	63	54	2.1	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)DELTA UNIT NO. 1 (2)DELTA UNIT NO. 2	2	EVEN NUMBERED LSDS.
DODSLAND VIKING SAND	1348	1296	1.1	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)GLENEATH UNIT (2)EAGLE LAKE VIKING VOLUNTARY UNIT PILOT WATERFLOOD	1	CENTER OF LSD.
DOLLARD UPPER SHAUNAVON	57	50	8.8	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)DOLLARD UNIT (2)EAST DOLLARD VOLUNTARY UNIT	4	NW LSD. OF 1/4 SECTION
DRUID MANNVILLE SANDS	13	8	1.5	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
DULWICH SPARKY SAND	141	78	1.1	SOLUTION GAS DRIVE	NONE	1/4	EACH 1/4 OF LSD.
DULWICH NORTH SPARKY SAND	6	5	2.3	SOLUTION GAS DRIVE	WATERFLOOD IN: NORTH DULWICH VOLUNTARY UNIT	1/2	NE & SW 1/4 OF LSDS.
EASTBROOK UPPER SHAUNAVON	3	3	1.7	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSDS.
EASTEND SHAUNAVON	7	5	1.8	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSDS. EXCEPT: TWP 6, RGE 19, SEC: 5,6,7,8,W1/2-18. TWP 6, RGE 20, SEC: E1/2-1. WHERE: 4 NW LSD. IN 1/4 SECTION

	PRODUCTION					SPACING REGULATIONS	
POOL NAME	WELLS CAPABLE	WELLS ON	DAILY M^3/WELL	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY	DRAINAGE UNITS (LSDS)	TARGET AREA
EAST PINTO FROBISHER BEDS	0	0	0.0	PROBABLE WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
EAST PINTO MIDALE BEDS	1	1	1.0	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSDS.
EDAM WASECA SAND	21	10	1.2	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
EDENVALE TILSTON BEDS	5	3	1.4	PARTIAL WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
ELMORE FROBISHER BEDS	33	31	4.5	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: ELMORE FROBISHER BEDS VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSDS.
ELMORE MIDALE BEDS	2	2	1.7	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSDS.
EPPING G.P. SAND	19	13	1.8	SOLUTION GAS DRIVE	WATERFLOOD IN: SOUTH EPPING UNIT NO. 1	1	SE 1/4 OF LSDS. EXCEPT: (A)TWP 47, RGE 27, SEC: S1/2&NW1/4-31,SW1/4-32. TWP 48, RGE 27, SEC: SW1/4-6. TWP 47, RGE 28, SEC: N1/2-25,34,35,36. TWP 48, RGE 28, SEC: S1/2-1, S1/2-2. WHERE: 1 NW 1/4 OF LSDS. (B)TWP 47, RGE 27, SEC: W1/2-17,18,19,20,S1/2&NW1/4-29,30. WHERE: 1/2 NW & SE 1/4 OF LSDS.
EPPING SPARKY SAND	278	221	1.8	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)SOUTH EPPING UNIT NO. 1 (2)SOUTH WEST EPPING SPARKY VOLUNTARY UNIT NO. 1	1	SE 1/4 OF LSDS. EXCEPT: (A)TWP 47, RGE 27, SEC: W1/2-17,18,19,20,W1/2&SE1/4-29,30,W1/2&SE1/4-31 SW1/4-32. TWP 48, RGE 27, SEC: SW1/4-6. TWP 47, RGE 28, SEC: N1/2-25,34,35,36. TWP 48, RGE 28, SEC: S1/2-1, S1/2-2,SE1/4-3. WHERE: 1/2 NW & SE 1/4 OF LSDS.
EUREKA VIKING	152	140	1.2	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)NORTH EUREKA UNIT (2)SOUTH EUREKA UNIT	1	CENTER OF LSD.
EYEHILL CUMMINGS SAND	24	18	4.0	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	PILOT IN SITU DRY COMBUSTION /STEAM STIMULATION	1	CENTER OF LSD.
FLAT LAKE RATCLIFFE BEDS	33	31	6.7	SOLUTION GAS DRIVE	WATERFLOOD IN: FLAT LAKE RATCLIFFE VOLUNTARY UNIT NO. 1	4	SW LSD. IN 1/4 SECTION EXCEPT: TWP 1, RGE 16, SEC: S1/2-1,S1/2-2, S1/2-3,S1/2-4,S1/2-5,S1/2-6. WHERE: WELLS LOCATED A MINIMUM DISTANCE OF 1600 FEET FROM U.S. BORDER.
FLORENCE FROBISHER BEDS	5	3	1.9	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
FOREST BANK MANNVILLE SANDS	13	10	1.8	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD. EXCEPT: (A)TWP 48, RGE 24, SEC: 32. TWP 49, RGE 24, SEC: 6. WHERE: 1 SE 1/4 OF LSD. (B)TWP 49, RGE 24, SEC: 7&18. TWP 49, RGE 25, SEC: 12&13. WHERE: 1 NE 1/4 OF LSD.
FOREST BANK SPARKY SAND	15	9	3.4	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD. EXCEPT: (SEE FOREST BANK MANNVILLE SANDS)
FOREST BANK WASECA SAND	21	10	2.0	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD. EXCEPT: (SEE FOREST BANK MANNVILLE SANDS)
FOSTERTON ROSERAY SAND	43	29	6.9	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)FOSTERTON MAIN UNIT (2)FOSTERTON NORTHWEST UNIT (3)WEST FOSTERTON VOLUNTARY UNIT IN SITU WET COMBUSTION IN: FOSTERTON NORTHWEST UNIT	1	SW 1/4 OF LSD. EXCEPT: TWP 17, RGE 18, SEC: 4,E1/2-5,E1/2-8 9,LSDS.1,2,3,4,8,9&16-16,LSDS.1&2-17 WHERE: 1 CENTER OF LSD.
FREDA LAKE RATCLIFFE BEDS	28	28	3.4	SOLUTION GAS DRIVE	NONE	4	SE LSD. IN 1/4 SECTION
FREEMONT SPARKY SAND	17	12	2.5	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
FREEMONT WASECA SAND	20	17	1.8	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
FREESTONE FROBISHER-ALIDA BEDS	12	11	3.5	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
FRYS TILSTON-SOURIS VALLEY BEDS	8	8	1.5	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSDS.
FURNESS SPARKY SAND	44	23	2.1	SOLUTION GAS DRIVE	NONE	1/4	CENTER OF EACH 1/4 LSD.
FUSILIER BAKKEN SAND	12	9	5.8	SOLUTION GAS DRIVE GAS CAP DRIVE	NONE	1	CENTER OF LSD.
GAINSBOROUGH FROBISHER-ALIDA BED	18	17	1.2	SOLUTION GAS DRIVE	WATERFLOOD IN: GAINSBOROUGH FROBISHER-ALIDA VOLUNTARY UNIT	2	ODD NUMBERED LSDS.
GLEN EWEN FROBISHER BEDS	5	5	3.4	PROBABLE WATER DRIVE	NONE	4	SE LSD. IN 1/4 SECTION

	PRODUCTION					SPACING REGULATIONS	
POOL NAME	WELLS CAPABLE	WELLS ON	DAILY M3/WELL	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY	DRAINAGE UNITS (LSDS)	TARGET AREA
GLEN EWEN MIDALE BEDS	44	37	1.1	SOLUTION GAS DRIVE	WATERFLOOD IN: GLEN EWEN UNIT	4	SE LSD. IN 1/4 SECTION
GOLDEN LAKE NORTH SPARKY SAND	17	14	2.3	SOLUTION GAS DRIVE	WATERFLOOD IN: GOLDEN LAKE VOLUNTARY UNIT	1	SE 1/4 OF LSD. EXCEPT: TWP 48, RGE 23, SEC: 19,29,30,E1/2& SW1/4-31,32. TWP 48, RGE 24, SEC: NE1/4-24, SE1/4-25. WHERE: 1 SW 1/4 OF LSD.
GOLDEN LAKE NORTH WASECA SAND	96	87	2.2	SOLUTION GAS DRIVE			
GOLDEN LAKE SOUTH SPARKY SAND	70	59	3.2	SOLUTION GAS DRIVE	PILOT IN SITU WET COMBUSTION	1	SE 1/4 OF LSD.
GOLDEN LAKE SOUTH WASECA SAND	116	107	2.8	SOLUTION GAS DRIVE	PILOT IN SITU WET COMBUSTION PILOT IN SITU OXYGEN WET COMBUSTION	1	SE 1/4 OF LSD.
GRIFFIN FROBISHER BEDS	7	7	0.6	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
GULL LAKE BASAL CANTUAR SAND	21	11	3.7	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)JOHNSTON UNIT (2)GULL LAKE CANTUAR VOLUNTARY UNIT NO. 1	1	SE 1/4 OF LSD.
GULL LAKE CENTRAL UPPERSHAUNAVON	23	16	2.3	SOLUTION GAS DRIVE	WATERFLOOD IN: GULL LAKE UPPER SHAUNAVON VOLUNTARY UNIT NO. 1	2	SE 1/4 OF EVEN LSDS.
GULL LAKE NORTH UPPER SHAUNAVON	36	24	4.2	SOLUTION GAS DRIVE	WATERFLOOD IN: GULL LAKE NORTH SHAUNAVON UNIT	1	SE 1/4 OF LSDS.
GULL LAKE SOUTH UPPER SHAUNAVON	12	10	1.3	SOLUTION GAS DRIVE	NONE	4	SW LSD. OF 1/4 SECTION EXCEPT: TWP 12, RGE 19, SEC: N1/2-14,N1/2-15 NE1/4-21,22,23,N1/2&SW1/4-24,SW1/4-26,S1/2-27,SE1/4-28. WHERE: 4 NE LSD. OF 1/4 SECTION
GULLY LAKE WASECA SAND	98	78	3.7	SOLUTION GAS DRIVE	WATERFLOOD IN: GULLY LAKE WASECA VOLUNTARY UNIT	1	SE 1/4 OF LSD.
HANDSWORTH ALIDA BEDS	23	20	1.4	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
HARTAVEN FROBISHER-ALIDA BEDS	5	5	4.1	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
HASTINGS FROBISHER BEDS	128	117	1.9	SOLUTION GAS DRIVE WATER DRIVE	WATERFLOOD IN: (1)HASTINGS FROBISHER UNIT (2)HASTINGS VOLUNTARY UNIT NO. 1 (3)HASTINGS VOLUNTARY UNIT NO. 2	2	EVEN NUMBERED LSDS. EXCEPT: TWP 3, RGE 1, SEC: 25,36. WHERE: 2 ODD NUMBERED LSDS.
HAZELWOOD TILSTON BEDS	4	4	2.6	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
HAZLET ROSERAY SAND	6	3	5.7	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSDS.
HOFFER RATCLIFFE LOWER BEDS	3	3	3.6	SOLUTION GAS DRIVE	NONE	4	SE LSD. OF 1/4 SECTION EXCEPT: TWP 1, RGE 15, SEC: 28,29,S1/2-32, S1/2-33. WHERE: 4 SW LSD. OF 1/4 SECTION
HOFFER RATCLIFFE UPPER BEDS	7	7	2.8	SOLUTION GAS DRIVE	NONE	4	SE LSD. OF 1/4 SECTION EXCEPT: TWP 1, RGE 15, SEC: 28,29,S1/2-32, S1/2-33. WHERE: 4 SW LSD. OF 1/4 SECTION
HOOSIER BAKKEN SAND	32	21	4.4	SOLUTION GAS DRIVE GAS CAP DRIVE	WATERFLOOD IN: HOOSIER BAKKEN SAND VOLUNTARY UNIT NO. 1	1	CENTER OF LSD.
HUME FROBISHER BEDS	7	6	2.5	PROBABLE WATER DRIVE	NONE	4	NW LSD OF 1/4 SECTION.
HUME MIDALE BEDS	19	16	1.0	SOLUTION GAS DRIVE	NONE	4	NW LSD. OF 1/4 SECTION EXCEPT: TWP 7, RGE 12, SEC: 31,W1/2-32. TWP 8, RGE 12, SEC: N1/2-3,SE1/4-4, S1/2-5,S1/2-6. WHERE: 2 ODD NUMBERED LSDS.
HUMMINGBIRD BIRDBEAR	5	2	10.8	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
HUMMINGBIRD RATCLIFFE BEDS	9	9	4.6	SOLUTION GAS DRIVE	WATERFLOOD IN: HUMMINGBIRD RATCLIFFE VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSDS.
HUNTOON FROBISHER BEDS	32	13	1.0	WATER DRIVE	NONE	4	SE LSD. IN 1/4 SECTION EXCEPT: TWP 6, RGE 9, SEC: N1/2-30,31. TWP 6, RGE 10, SEC: N1/2-25,NE1/4-26 E1/2-33,34,35,36. TWP 7, RGE 10, SEC: 4. WHERE: 2 ODD NUMBERED LSDS.

POOL NAME	PRODUCTION			NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY	SPACING REGULATIONS	
	WELLS CAPABLE	WELLS ON	DAILY M^3/WELL			DRAINAGE UNITS (LSDS)	TARGET AREA
HUNTOON MIDALE BEDS	26	25	1.2	SOLUTION GAS DRIVE	WATERFLOOD IN: HUNTOON MIDALE BEDS VOLUNTARY UNIT NO. 1	4	SE LSD. IN 1/4 SECTION EXCEPT: TWP 6, RGE 9, SEC: N1/2-30,31. TWP 6, RGE 10, SEC: N1/2-25,NE1/4-26 E1/2-33,34,35,36. TWP 7, RGE 10, SEC: 4. WHERE: 2 ODD NUMBERED LSDS.
ILLERBRUN UPPER SHAUNAVON	7	5	11.0	SOLUTION GAS DRIVE	WATERFLOOD IN: ILLERBRUN VOLUNTARY UNIT	4	SE LSD. IN 1/4 SECTION
INGOLDSBY FROBISHER-ALIDA BEDS	76	74	2.5	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
INNES FROBISHER BEDS	50	43	2.9	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
INSTOW UPPER SHAUNAVON	53	47	8.0	SOLUTION GAS DRIVE	WATERFLOOD IN: INSTOW UNIT	4	SE LSD. IN 1/4 SECTION
JOHNSTON UPPER SHAUNAVON	1	1	2.0	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
KENOSEE TILSTON BEDS	35	28	6.7	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
KISBEY BIRDBEAR	8	7	4.6	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
LAKE ALMA RATCLIFFE BEDS	5	5	14.6	SOLUTION GAS DRIVE	WATERFLOOD IN: LAKE ALMA VOLUNTARY UNIT	4	SW LSD. IN 1/4 SECTION
LANDROSE MCLAREN SAND	4	0	0.0	SOLUTION GAS DRIVE	NONE	1/2	NE & SW 1/4 OF LSD.
LANDROSE WASECA SAND	7	1	2.4	SOLUTION GAS DRIVE	NONE	1/2	NE & SW 1/4 OF LSD.
LASHBURN SOUTH SPARKY SAND	6	5	1.5	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD. EXCEPT: TWP 48, RGE 23, SEC: 18. TWP 48, RGE 24, SEC: NW1/4-14, NE1/4-15,E1/2-22,23. WHERE: 1 SE 1/4 OF LSD.
LASHBURN SOUTH WASECA SAND	32	21	2.1	SOLUTION GAS DRIVE	NONE	1	SW 1/4 OF LSD. EXCEPT: -SEE LASHBURN SOUTH SPARKY SAND POOL
LASHBURN WASECA SAND	71	36	2.4	SOLUTION GAS DRIVE	WATERFLOOD IN: LASHBURN WASECA VOLUNTARY UNIT	1	SW 1/4 OF LSD.
LASHBURN WEST SPARKY SAND	31	14	1.4	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
LEITCHVILLE SHAUNAVON	23	19	2.4	SOLUTION GAS DRIVE	WATERFLOOD IN: LEITCHVILLE SHAUNAVON VOLUNTARY UNIT	4	SW LSD OF 1/4 SECTION EXCEPT: TWP 8,RGE 18,SEC: N1/2-31,N1/2-32, NW1/4-33 TWP 9,RGE 18 SEC: W1/2-4,5,6,7,8, 9,10,S1/2-15,S1/2&NW1/4-16,17,18. WHERE: 4 NE LSD OF 1/4 SECTION.
LEON LAKE SHAUNAVON	13	12	1.8	SOLUTION GAS DRIVE	PILOT WATERFLOOD	4	SE LSD. IN 1/4 SECTION
LIGHTNING TILSTON BEDS	0	0	0.0	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
LLOYDMINSTER SPARKY SAND	15	12	2.6	SOLUTION GAS DRIVE	NONE	1/2	NW & SE 1/4 OF LSD. EXCEPT: SPECIAL PROVISIONS FOR PART LSDS.
LONE ROCK SPARKY SAND	65	31	1.1	SOLUTION GAS DRIVE	NONE	1/4	CENTER OF EACH 1/4 LSD.
LOST HORSE HILL FROBISHER-ALIDA	44	44	1.8	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
LOUGHEED MIDALE BEDS	17	16	2.7	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSDS. EXCEPT: TWP 6, RGE 14, SEC: N1/2-20,29,32. WHERE: 2 EVEN NUMBERED LSDS.
LOVERNA DETRITAL	10	7	1.7	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSDS.
LOW LAKE WASECA SAND	6	6	1.5	SOLUTION GAS DRIVE	NONE	1/2	NE & SW 1/4 OF LSD.
LUCKY HILLS VIKING	22	16	1.0	SOLUTION GAS DRIVE GAS CAP DRIVE	NONE	4	SW LSD. IN 1/4 SECTION EXCEPT: TWP 30, RGE 23, SEC: 21. WHERE: 2 EVEN NUMBERED LSDS.
MACKLIN SPARKY SAND	59	36	2.8	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSDS.
MACOUN MIDALE BEDS	14	13	3.0	PARTIAL WATER DRIVE	NONE	4	NW LSD. IN 1/4 SECTION
MACOUN WEST MIDALE BEDS	5	5	4.1	PROBABLE WATER DRIVE	NONE	4	NW LSD OF 1/4 SECTION.
MAIDSTONE MCLAREN SAND	44	42	2.3	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
MAIDSTONE WASECA SAND	14	10	1.9	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
MAIN SUCCESS ROSERAY SAND	23	9	2.0	SOLUTION GAS DRIVE	WATERFLOOD IN: SUCCESS MAIN UNIT	1	SW 1/4 OF LSD.
MARSDEN SOUTH SPARKY SAND	30	29	7.3	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
MARSDEN SPARKY SAND	11	9	2.7	SOLUTION GAS DRIVE	NONE	1/4	CENTER OF EACH 1/4 LSD.
MELROSE FROBISHER-ALIDA BEDS	6	4	3.0	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
MIDALE CENTRAL FROBISHER BEDS	12	10	2.3	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.

POOL NAME	PRODUCTION			NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY	SPACING REGULATIONS	
	WELLS CAPABLE	WELLS ON	DAILY M3/WELL			DRAINAGE UNITS (LSDS)	TARGET AREA
MIDALE CENTRAL MIDALE BEDS	381	322	2.6	SOLUTION GAS DRIVE	WATERFLOOD IN: MIDALE UNIT	2	ODD NUMBERED LSDS.
MINARD MIDALE BEDS	2	2	1.7	SOLUTION GAS DRIVE	NONE	4	NW LSD OF 1/4 SECTION.
MOOSE MOUNTAIN TILSTON BEDS	13	12	3.2	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
MOOSE VALLEY TILSTON BEDS	4	4	4.3	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
MORRISVIEW FROBISHER-ALIDA BEDS	6	6	2.5	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
NEILBURG MCLAREN SAND	28	20	4.7	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
NEPTUNE RATCLIFFE BEDS	15	13	3.4	SOLUTION GAS DRIVE	NONE	4	CENTER OF EACH 1/4 SECTION
NORTH ANTLER MIDALE BEDS	6	3	1.3	SOLUTION GAS DRIVE	WATERFLOOD IN: ANTLER VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSDS.
NORTHGATE FROBISHER BEDS	1	1	1.0	PROBABLE WATER DRIVE	NONE	4	SE LSD. IN 1/4 SECTION
NORTHGATE MIDALE BEDS	22	21	0.8	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSDS.
NORTH HANDSWORTH ALIDA BEDS	20	20	1.8	PROBABLE WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
NORTH HOOSIER BAKKEN SAND	37	33	5.0	POSSIBLE WATER DRIVE	WATERFLOOD IN: NORTH HOOSIER BAKKEN SAND VOLUNTARY UNIT	1	CENTER OF LSD.
NORTH HOOSIER BASAL BLAIRMORE	15	14	4.4	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: NORTH HOOSIER BASAL BLAIRMORE VOLUNTARY UNIT	1	CENTER OF LSD.
NORTHMINSTER SPARKY SAND	47	40	1.9	SOLUTION GAS DRIVE	WATERFLOOD IN: NORTHMINSTER SPARKY VOLUNTARY UNIT	1 EXCEPT: TWP 50, RGE 27, SEC: NW1/4-2,11, LSDS.12,13,14,15&16-12,S1/2&NW1/4-13 14. WHERE: 1	SW 1/4 OF LSD. SE 1/4 OF LSDS.
NORTHMINSTER NORTH G.P. SAND	7	4	1.3	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
NORTHMINSTER NORTH SPARKY SAND	19	14	2.0	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
NORTH PREMIER ROSERAY SAND	28	16	6.7	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)NORTH PREMIER UNIT NO. 1 (2)NORTH PREMIER UNIT NO. 4	1	SW 1/4 OF LSDS.
NORTH PREMIER UPPER SHAUNAVON	35	29	1.6	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)NORTH PREMIER UPPER SHAUNAVON VOLUNTARY UNIT (2)NORTH PREMIER UNIT NO. 4	1 EXCEPT: TWP 14, RGE 19, SEC: 26,E1/2-27,34, 35. WHERE: 2	SW 1/4 OF LSDS. SW 1/4 OF ODD LSDS.
NOTTINGHAM ALIDA BEDS	42	40	2.9	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
OAKLEY FROBISHER BEDS	4	4	0.9	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
OUNGRE RATCLIFFE BEDS	57	55	2.8	SOLUTION GAS DRIVE	WATERFLOOD IN: OUNGRE VOLUNTARY UNIT NO. 1	4	SE LSD. IN 1/4 SECTION
PARKMAN SOURIS VALLEY BEDS	18	14	2.3	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
PARKMAN TILSTON BEDS	3	3	1.5	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
PARKMAN TILSTON-SOURIS VALLEY	111	105	2.3	WATER DRIVE	NONE	2 EXCEPT: TWP 9,RGE 33,SEC: W1/2&LSDS.7&8-3, LSDS.11&12-10,W1/2-15,S1/2&NW1/4-17,SE1/4-19,SE1/4&N1/2&LSDS.5&6 -30. WHERE: 1	EVEN NUMBERED LSDS. CENTER OF LSD.
PARKMAN SOUTH TILSTON-S. VALLEY	5	5	2.5	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
PENNANT UPPER SHAUNAVON	6	6	2.0	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSDS.
PIKES PEAK G.P. SAND	16	8	6.6	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
PIKES PEAK SPARKY SAND	8	2	1.5	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
PIKES PEAK WASECA SAND	53	37	14.1	SOLUTION GAS DRIVE	CYCLIC STEAM STIMULATION	1	SE 1/4 OF LSD.
PINTO FROBISHER BEDS	11	9	2.8	WATER DRIVE	NONE	2 EXCEPT: (A)TWP 1, RGE 4, SEC: W1/2-18,NE1/4& W1/2-19,NW1/4-20,N1/2-28,NE1/4&W1/2-29,30,S1/2&NW1/4-31,32,33. TWP 1, RGE 5, SEC: 1 TO 4, 8 TO 17, 20 TO 29, ALL INCLUSIVE, E1/2& SW1/4-36. WHERE: 4 (B)TWP 2, RGE 4, SEC: N1/2-21, N1/2-22,26,27,34,35. WHERE: 4	EVEN NUMBERED LSDS. NE LSD. IN 1/4 SECTION SW LSD. IN 1/4 SECTION
PINTO MIDALE BEDS	57	51	1.3	SOLUTION GAS DRIVE	WATERFLOOD IN: SOUTH PINTO UNIT	2 EXCEPT: (SEE PINTO FROBISHER BEDS POOL)	EVEN NUMBERED LSDS.
PLATO NORTH VIKING	55	54	1.7	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.

POOL NAME	PRODUCTION WELLS CAPABLE	 WELLS ON	 DAILY M^3/WELL	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY	SPACING REGULATIONS DRAINAGE UNITS (LSDS)	 TARGET AREA
PLATO VIKING	51	30	0.7	SOLUTION GAS DRIVE	WATERFLOOD IN: PLATO VIKING VOLUNTARY UNIT NO. 1	2	EVEN NUMBERED LSDS.
PLOVER LAKE BAKKEN SAND	36	33	3.2	SOLUTION GAS DRIVE	NONE	1	CENTER OF LSD.
QUEENSDALE EAST FROBISHER-ALIDA	77	72	5.1	WATER DRIVE	NONE	2 EXCEPT: TWP 6, RGE 1, SEC: NW1/4-13, LSDS. 3&4-24. WHERE: 1	EVEN NUMBERED LSDS. CENTER OF LSD.
QUEENSDALE NORTH ALIDA BEDS	8	8	1.3	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
QUEENSDALE WEST ALIDA BEDS	15	14	2.5	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
RALPH MIDALE BEDS	24	21	0.9	SOLUTION GAS DRIVE	NONE	2	ODD NUMBERED LSDS.
RAPDAN UPPER SHAUNAVON	45	42	5.5	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)RAPDAN UNIT (2)NORTH RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT (3)RAPDAN UPPER SHAUNAVON VOLUNTARY UNIT NO. 2	4 EXCEPT: TWP 3, RGE 20, SEC: NE1/4-32, NW1/4-33. TWP 4, RGE 20, SEC: W1/2-4,E1/2-5, E1/2-8,W1/2-9,SW1/4-16,SE1/4-17. WHERE: 4	SW LSD. IN 1/4 SECTION NE LSD. IN 1/4 SECTION
RAPDAN WEST SHAUNAVON	13	13	2.1	SOLUTION GAS DRIVE	NONE	4	NE LSD. IN 1/4 SECTION
ROCANVILLE BAKKEN SAND	7	7	3.2	PARTIAL WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
RONCOTT BAKKEN SAND	6	5	1.2	POSSIBLE WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
ROSEBANK ALIDA BEDS	57	49	4.0	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
ROSEBANK SOUTH ALIDA BEDS	5	5	1.6	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
RUSH LAKE SPARKY SAND	12	11	1.6	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
RUSH LAKE WASECA SAND	8	6	2.5	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
SENLAC LLOYDMINSTER SAND	74	73	4.9	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
SHERWOOD FROBISHER BEDS	16	14	6.6	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
SILVERDALE SPARKY SAND	87	45	1.2	SOLUTION GAS DRIVE	NONE	1/4 EXCEPT: TWP 48, RGE 28, SEC: LSDS.1,8,9,&16-27. LSDS. 1,8,9&16-34. TWP 49, RGE 27, SEC: N1/2-6. TWP 49, RGE 28, SEC: LSDS. 1,8,9&16-3, LSDS. 1,8,9&16-10, LSDS. 1,8,9&16-15. WHERE: SPECIAL PROVISIONS FORPART SECTIONS	CENTER OF EACH 1/4 LSD.
SILVERTON FROBISHER BEDS	3	3	2.3	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
SKINNER LAKE RATCLIFFE BEDS	10	9	4.2	SOLUTION GAS DRIVE	NONE	4	NW LSD. IN 1/4 SECTION
SMILEY-DEWAR VIKING	181	166	1.3	SOLUTION GAS DRIVE	WATERFLOOD	1	CENTER OF LSDS.
SOURIS FLAT FROBISHER BEDS	22	18	2.4	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
SOUTH FLETWODE TILSTON BEDS	8	8	3.2	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
SOUTH SUCCESS ROSERAY SAND	39	30	5.0	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: SUCCESS UNIT	1	SW 1/4 OF LSDS.
STANDARD HILL WASECA SAND	85	73	3.8	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
STAR VALLEY FROBISHER-ALIDA BEDS	31	29	5.6	WATER DRIVE	NONE	2 EXCEPT: TWP 9, RGE 6, SEC: W1/2-13. WHERE: 1	ODD NUMBERED LSDS. CENTER OF LSD.
STEELMAN FROBISHER BEDS	43	39	1.9	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
STEELMAN MIDALE BEDS	634	585	3.0	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)STEELMAN UNIT NO. 1A (2)STEELMAN UNIT NO. 2 (3)STEELMAN UNIT NO. 3 (4)STEELMAN UNIT NO. 4 (5)STEELMAN UNIT NO. 5 (6)STEELMAN UNIT NO. 6 (7)STEELMAN UNIT NO. 7 (8)LAMPMAN UNIT (9)DOUGLASTON MIDALE BEDS UNIT (10)STEELMAN NORTH VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSDS.
STORTHOAKS ALIDA-TILSTON BEDS	20	19	2.8	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
STOUGHTON FROBISHER-ALIDA BEDS	11	10	2.0	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
STOUGHTON SOUTH FROBISHER BEDS	16	13	1.5	POSSIBLE WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
SUCCESS NORTH ROSERAY SAND	9	9	6.5	SOLUTION GAS DRIVE	NONE	2	EVEN NUMBERED LSDS.
SUCCESS ROSERAY SAND ALPHA	6	5	2.9	SOLUTION GAS DRIVE	WATERFLOOD IN: SUCCESS ALPHA UNIT	1	SW 1/4 OF LSDS.

POOL NAME	PRODUCTION WELLS CAPABLE	 WELLS ON	 DAILY M3/WELL	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY	SPACING REGULATIONS DRAINAGE UNITS (LSDS)	 TARGET AREA
SUFFIELD ROSERAY SAND	24	19	12.9	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)SUFFIELD UNIT NO. 1 (2)SUFFIELD UNIT NO. 3	2 EXCEPT: TWP 14, RGE 19, SEC: 17,E1/2&NW1/4-18,S1/2-19,S1/2-20. WHERE: 1	ODD NUMBERED LSDS. CENTER OF EACH LSD.
SUFFIELD UPPER SHAUNAVON	22	19	4.2	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)SUFFIELD UNIT NO. 2 (2)SUFFIELD UNIT NO. 3	2	ODD NUMBERED LSDS.
TANGLEFLAGS EAST MCLAREN SAND	15	9	2.5	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TANGLEFLAGS G.P. SAND	105	96	3.3	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TANGLEFLAGS LLOYDMINSTER SAND	212	193	1.6	SOLUTION GAS DRIVE	WATERFLOOD IN: TANGLEFLAGS VOLUNTARY UNIT NO. 2	1	SE 1/4 OF LSD.
TANGLEFLAGS MANNVILLE SANDS	22	13	2.9	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TANGLEFLAGS NORTH CUMMINGS	14	6	4.0	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TANGLEFLAGS NORTH G.P. SAND	14	5	0.8	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TANGLEFLAGS NORTH LLOYD. SAND	46	26	3.1	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TANGLEFLAGS SPARKY SAND	41	30	2.3	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TANGLEFLAGS WEST G.P. SAND	4	3	0.8	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TANGLEFLAGS WEST LLOYD. SAND	19	16	1.6	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TANGLEFLAGS WEST SPARKY SAND	10	7	2.6	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
TATAGWA MIDALE BEDS	22	20	3.1	POSSIBLE WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
VERLO ROSERAY SAND	12	12	19.7	SOLUTION GAS DRIVE	WATERFLOOD IN: VERLO ROSERAY SAND UNIT	2	EVEN NUMBERED LSDS.
VIEWFIELD FROBISHER BEDS	59	48	5.1	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
VIEW HILL MIDALE BEDS	4	4	2.3	WATER DRIVE	NONE	4	NW LSD. IN 1/4 SECTION
WAPELLA SAND	35	31	3.6	WATER DRIVE	NONE	1	CENTER OF EACH LSD.
WARMLEY ALIDA BEDS	3	3	4.9	PROBABLE WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
WEIR HILL FROBISHER BEDS	3	3	2.0	PROBABLE WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
WEST INNES FROBISHER BEDS	5	4	1.6	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
WEST KINGSFORD MIDALE BEDS	26	23	1.7	WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
WESTHAZEL G.P. SAND	12	12	3.2	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
WESTHAZEL SPARKY SAND	20	20	2.3	SOLUTION GAS DRIVE	NONE	1	SE 1/4 OF LSD.
WEYBURN FROBISHER BEDS	17	16	3.2	WATER DRIVE	NONE	2 EXCEPT: TWP 6, RGE 11, SEC: W1/2-31. TWP 7, RGE 11, SEC: 6,7. TWP 5, RGE 12, SEC: NW1/4-35. TWP 6, RGE 12, SEC: LSDS.13&14-1, NE1/4&W1/2&LSDS.7&8-2,11,W1/2-12, 13,14,NE1/4-22,23,24,25,26,27,33, 34,35,36. TWP 7, RGE 12, SEC: 1,2,LSDS.9,10, 11&12&S1/2-3,LSDS.9&10&SE1/4-4, LSDS.3&4&E1/2-11,12. WHERE: 2	EVEN NUMBERED LSDS. ODD NUMBERED LSDS.
WEYBURN MIDALE BEDS	588	550	3.6	SOLUTION GAS DRIVE	WATERFLOOD IN: WEYBURN UNIT	2 EXCEPT: TWP 6, RGE 11, SEC: W1/2-31. TWP 7, RGE 11, SEC: 6,7. TWP 5, RGE 12, SEC: LSDS.11&12-35. TWP 6, RGE 12, SEC: LSDS.13&14-12, 13,LSDS.9,10,13&14-14,NE1/4-22,23, 24,25,LSDS.3&4&E1/2-26,LSDS.5,6,7&8 &N1/2-33,NE1/4-34,E1/2&NW1/4-35,36. TWP 7, RGE 12, SEC: 1,2,LSDS.9,10, 11&12&S1/2-3,LSDS.9&10&SE1/4-4, LSDS.3&4&E1/2-11,12. WHERE: 2	EVEN NUMBERED LSDS. ODD NUMBERED LSDS.
WHITE BEAR TILSTON BEDS	15	13	5.6	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
WHITE BEAR TILSTON-SOURIS VALLEY	4	1	1.9	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
WHITEMUD UPPER SHAUNAVON	5	5	0.8	SOLUTION GAS DRIVE	NONE	4	NE LSD. IN 1/4 SECTION
WHITESIDE VIKING SAND	38	36	1.5	SOLUTION GAS DRIVE	WATERFLOOD IN: WHITESIDE UNIT	1	CENTER OF LSD.
WILDWOOD ALIDA BEDS	5	5	2.3	WATER DRIVE	NONE	2	EVEN NUMBERED LSDS.
WILLMAR FROBISHER-ALIDA BEDS	120	101	3.3	WATER DRIVE SOLUTION GAS DRIVE PARTIAL WATER DRIVE	WATERFLOOD IN: (1)WILLMAR FROBISHER-ALIDA VOLUNTARY UNIT NO. 1 (2)NORTH DALESBORO UNIT NO.1 (3)NORTH CENTRAL WILLMAR VOLUNTARY UNIT	2	EVEN NUMBERED LSDS.

POOL NAME	PRODUCTION WELLS CAPABLE	WELLS ON	DAILY M^3/WELL	NATURAL DEPLETION MECHANISM	ENHANCED RECOVERY	SPACING REGULATIONS DRAINAGE UNITS (LSDS)	TARGET AREA
WINMORE FROBISHER BEDS	5	0	0.0	SOLUTION GAS DRIVE PARTIAL WATER DRIVE	NONE	2	ODD NUMBERED LSDS.
WINTER CUMMINGS SAND	[illegible]	[illegible]	[illegible]	SOLUTION GAS DRIVE	NONE.	1	CENTER OF LSD.
WORKMAN FROBISHER BEDS	95	91	2.6	SOLUTION GAS DRIVE WATER DRIVE	WATERFLOOD IN: WORKMAN FROBISHER VOLUNTARY UNIT NO. 1	2	ODD NUMBERED LSDS.
WORKMAN MIDALE BEDS	28	19	1.1	SOLUTION GAS DRIVE	WATERFLOOD IN: (1)WORKMAN MIDALE VOLUNTARY UNIT NO. 1 (2)WORKMAN MIDALE VOLUNTARY UNIT NO. 2	2	ODD NUMBERED LSDS.

GAS POOLS

POOL NAME	WELLS CAPABLE OF PROD.	NO. OF WELLS PRODUCING	AVE. PROD. 10^3m^3/DAY/WELL (PEAK PROD.)	SPACING REGULATIONS
BAYHURST VIKING GAS POOL	4	4	108.7	1 section drainage units
BAYHURST WEST VIKING GAS POOL	3	1	29.3	1 section drainage units
BEACON HILL MANNVILLE SAND GAS POOL	22	11	10.3	1 section drainage units
BEVERLEY EAST CANTUAR GAS POOL	3	2	21.6	1 section drainage units
BROCK EAST VIKING GAS POOL	3	0	--	1 section drainage units
BROCK VIKING SAND GAS POOL	6	2	5.9	1 section drainage units
CAVALIER SPINNEY HILL SAND GAS POOL	3	2	21.4	1 section drainage units
COLEVILLE-SMILEY VIKING SAND GAS POOL	40	34	7.8	1 section drainage units
DODSLAND NORTH VIKING GAS POOL	26	26	5.6	1 section drainage units
FORT PITT MANNVILLE SAND GAS POOL	3	3	23.8	1 section drainage units
FORT PITT NORTH MANNVILLE SAND GAS POOL	2	2	61.8	1 section drainage units
GLIDDEN VIKING GAS POOL	3	0	--	1 section drainage units
GREENAN VIKING GAS POOL	15	12	2.8	1 section drainage units
GULL LAKE CANTUAR GAS POOL	6	2	1.9	1 section drainage units
HATTON MEDICINE HAT SAND GAS POOL	339	335	2.5	1 section drainage units, except: (a) twp 13, rge 26, sec. 30; twp 14, rge 26, sec. 18; twp 13, rge 27, sec. 22-27 & 34-36 incl.; twp 14, rge 27, sec. 1-4 & 8-36 incl.; twp 14, rge 28, sec. 24; twp 15, rge 28, sec. 25-28 & 31-36 incl.; twp 16, rge 28, sec. 1-12 & 15-21 incl.; twp 15, rge 29, sec. 26, 35 & 36; twp 16, rge 29, sec. 1-24 incl. & 27; twp 17, rge 29, sec. 3, 23, 29 & 31; twp 18, rge 29, sec. 5-36 incl.; where drainage units are 1/2 section. (b) twp 15, rge 26, sec. 1-36 incl.; twp 15, rge 27, sec. 1-3, 9-16 & 19-36 incl.; twp 14, rge 28, sec. 2-23 & 25-35 incl.; twp 15, rge 28, sec. 1-24 incl.; 29 & 30; twp 14, rge 29, sec. 1, 2, 11-15 & 22-36 incl.; twp 15, rge 29, sec. 1-25 & 27-34 incl.; twp 16, rge 29, sec. 28-32 incl.; twp 14, rge 30, sec. 25 & 36; where drainage units are 1/4 section.*
HATTON MILK RIVER GAS POOL	223	220	4.9	1 section drainage units, except: (a) twp 13, rge 25, sec. 1-3, 10-16, 21-28 & 33-36 incl.; twp 13, rge 26, sec. 30; twp 14, rge 26, sec. 18; twp 13, rge 27, sec. 22-27 incl., 31,33,34,35 & 36; twp 14, rge 27, sec. 1-4 & 8-36 incl; twp 13, rge 28, sec. 36; twp 14, rge 28, sec. 24; where drainage units are 1/2 section. (b) twp 15, rge 26, sec. 1-36 incl.; twp 15, rge 27, sec. 1-3, 9-16 & 19-36 incl.; twp 14, rge 28, sec. 2-23 & 25-36 incl.; twp 15, rge 28, sec. 1-24 & 29-31 incl.; twp 14, rge 29, sec. 1, 2, 11-15 & 22-36 incl.; twp 15, rge 29, sec. 1-36 incl.; twp 16, rge 29, sec. 6, 7, 17-20 & 27-32 incl.; twp 14, rge 30, sec. 25 & 36; where drainage units are 1/4 section.*
HATTON MILK RIVER - MEDICINE HAT GAS POOL	113	113	8.6	In accordance with the spacing regulations for the Hatton Milk River and Hatton Medicine Hat Gas Pools.
HOOSIER VIKING SAND GAS POOL	17	16	6.9	1 section drainage units
LIEBENTHAL MILK RIVER GAS POOL	54	52	0.6	1/2 section drainage units
LLOYDMINSTER COLONY SAND POOL	9	7	3.2	1/4 section drainage units
MARENGO VIKING GAS POOL	5	0	--	1 section drainage units
MILTON VIKING SAND GAS POOL	5	4	11.7	1 section drainage units
PIERCELAND MANNVILLE SAND GAS POOL	6	5	53.0	1 section drainage units
TOTNES VIKING GAS POOL	4	4	6.5	1 section drainage units
WHITESIDE VICTORIA SAND GAS POOL	3	3	16.1	1 section drainage units
WHITESIDE WEST VIKING SAND GAS POOL	8	8	5.2	1/2 section drainage units

(* Special provisions for fractional sections adjacent to fourth meridian.)

AREA SPACING DESCRIPTION*

SPACING AREA	DRAINAGE UNIT SIZE (No. of Lsds)	TARGET AREA	EXCEPTIONS
		- OIL AREAS -	
A	2	Odd numbered Lsds.	A well greater than 1 1/2 miles from a producer in the same zone may be drilled on the even or odd Lsd.
B	2	Even numbered Lsds.	A well greater than 1 1/2 miles from a producer in the same zone may be drilled on the even or odd Lsd.
C	4	Any quadrant of a quarter section	Wells drilled within a 3 mile square block centered on the section of a producer must take the spacing of this well.
D	2	Odd or even Lsds.	Wells drilled within a 3 mile square block centred on the section of a producer must take the spacing of this well.
E	1	Southeast quadrant of any Lsd.	Wells drilled within a 3 mile square block centred on the section of a producer completed in an established pool shall take on the spacing of this pool. Only applies to wells drilled within the Cretaceous System.
		- GAS AREAS -	
G	16	Odd or even Lsds.	Wells within 1 mile of a well producing or capable of producing shall be drilled on one of the centre Lsds. Only applies to Mannville Formation.

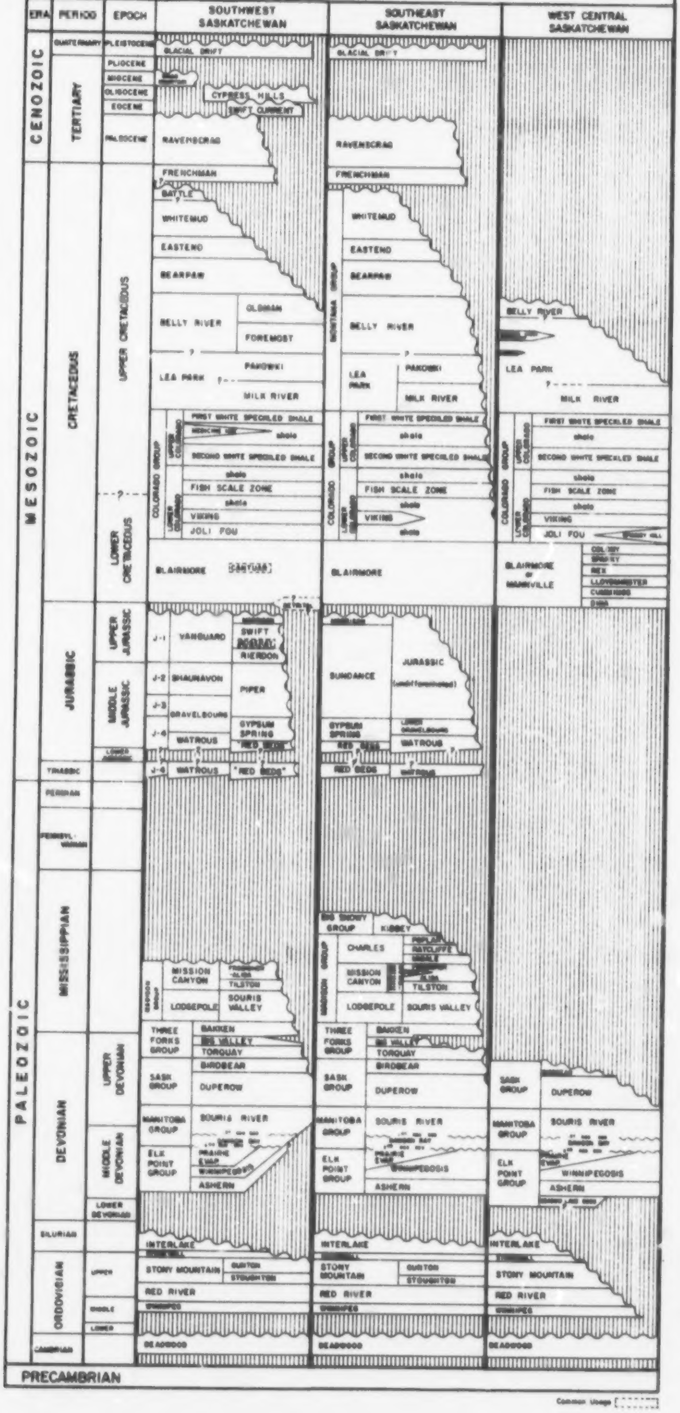
* See the Oil and Gas Conservation Act & Regulations Thereunder for complete area spacing regulations.

TYPICAL WELL LOGS
OF PRODUCING ZONES

LITHOLOGY LEGEND

Silt	⁖
Shale	– – –
Sandstone	░
Limestone	▦
Calcareous shale	I–I–I
Argillaceous sandstone	▒
Coal	▨
Chert pebbles	▴ ▴ ▴
Interbedded shale and sandstone	☰
Dolomite or dolomitic limestone	▧
Argillaceous and anhydritic dolomite	▧ A A A
Oolitic	• • •
Anhydrite	A A A

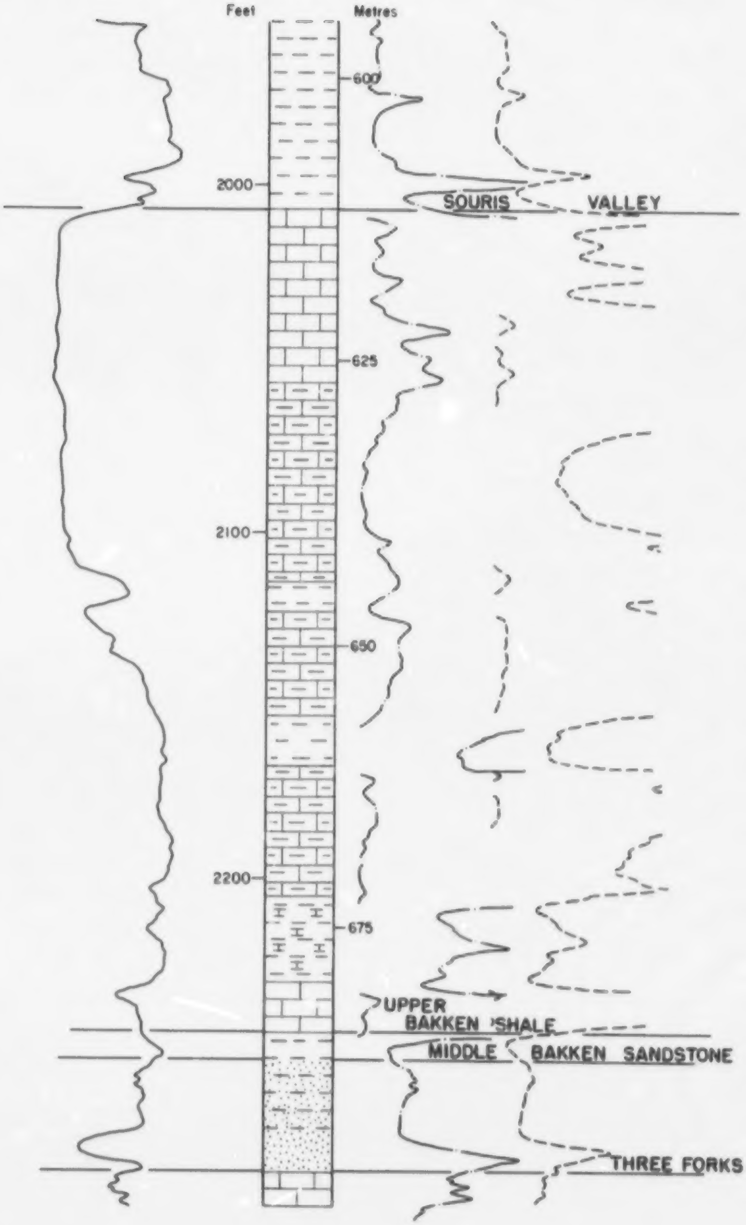
STRATIGRAPHIC CORRELATION CHART
OF SASKATCHEWAN


ERA
PERIOD
EPOCH
SOUTHWEST SASKATCHEWAN
SOUTHEAST SASKATCHEWAN
WEST CENTRAL SASKATCHEWAN
CENOZOIC
MESOZOIC
PALEOZOIC
PRECAMBRIAN
QUATERNARY
TERTIARY
CRETACEOUS
JURASSIC
TRIASSIC
PERMIAN
PENNSYLVANIAN
MISSISSIPPIAN
DEVONIAN
SILURIAN
ORDOVICIAN
CAMBRIAN
PLEISTOCENE
PLIOCENE
MIOCENE
OLIGOCENE
EOCENE
PALEOCENE
UPPER CRETACEOUS
LOWER CRETACEOUS
UPPER JURASSIC
MIDDLE JURASSIC
LOWER JURASSIC
UPPER DEVONIAN
MIDDLE DEVONIAN
LOWER DEVONIAN
UPPER
MIDDLE
LOWER
GLACIAL DRIFT
CYPRESS HILLS
SWIFT CURRENT
RAVENSCRAG
FRENCHMAN
BATTLE
WHITEMUD
EASTEND
BEARPAW
BELLY RIVER
OLDMAN
FOREMOST
PAKOWKI
LEA PARK
MILK RIVER
MONTANA GROUP
FIRST WHITE SPECKLED SHALE
shale
SECOND WHITE SPECKLED SHALE
FISH SCALE ZONE
VIKING
JOLI FOU
COLORADO GROUP
UPPER COLORADO
LOWER COLORADO
BLAIRMORE
BLAIRMORE or MANNVILLE
COLONY
SPARKY
REX
LLOYDMINSTER
CUMMINGS
DINA
VANGUARD
SWIFT
RIERDON
SHAUNAVON
PIPER
GRAVELBOURG
GYPSUM SPRING
WATROUS
RED BEDS
"RED BEDS"
J-1
J-2
J-3
J-4
SUNDANCE
JURASSIC (undifferentiated)
LOWER GRAVELBOURG
BIG SNOWY GROUP
KIBBEY
CHARLES
POPLAR
RATCLIFFE
MIDALE
MISSION CANYON
FROBISHER ALIDA
TILSTON
LODGEPOLE
SOURIS VALLEY
MADISON GROUP
THREE FORKS GROUP
BAKKEN
BIG VALLEY
TORQUAY
BIRDBEAR
SASK GROUP
DUPEROW
MANITOBA GROUP
SOURIS RIVER
DAWSON BAY
ELK POINT GROUP
PRAIRIE EVAP
WINNIPEGOSIS
ASHERN
INTERLAKE
STONEWALL
STONY MOUNTAIN
GUNTON
STOUGHTON
RED RIVER
WINNIPEG
DEADWOOD
Common Usage

HUDSON ROCANVILLE 4-4

4-4-16-31-W1

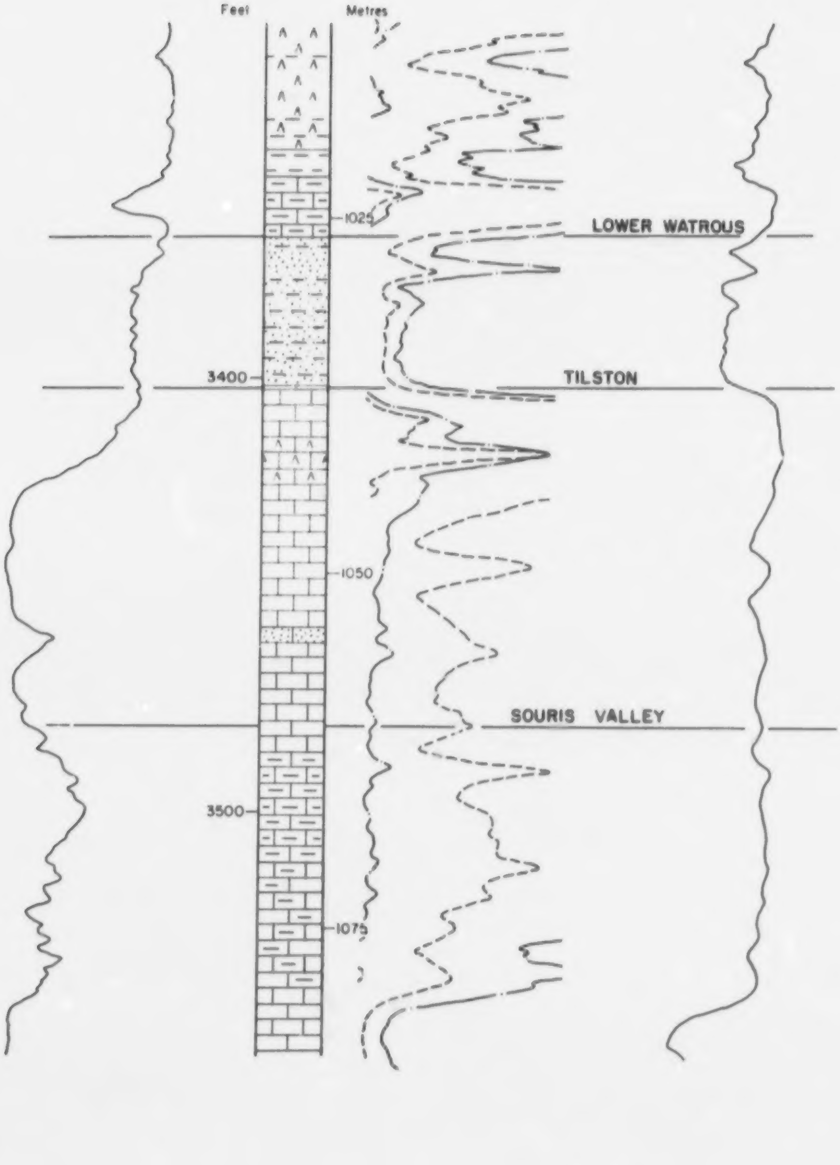
PRODUCING HORIZON : BAKKEN SAND


Feet
Metres
600
2000
SOURIS VALLEY
625
2100
650
2200
675
UPPER BAKKEN SHALE
MIDDLE BAKKEN SANDSTONE
THREE FORKS

ROYALITE PARKMAN 2-3

2-3-9-33-W1

PRODUCING HORIZONS : TILSTON AND SOURIS VALLEY BEDS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Metres
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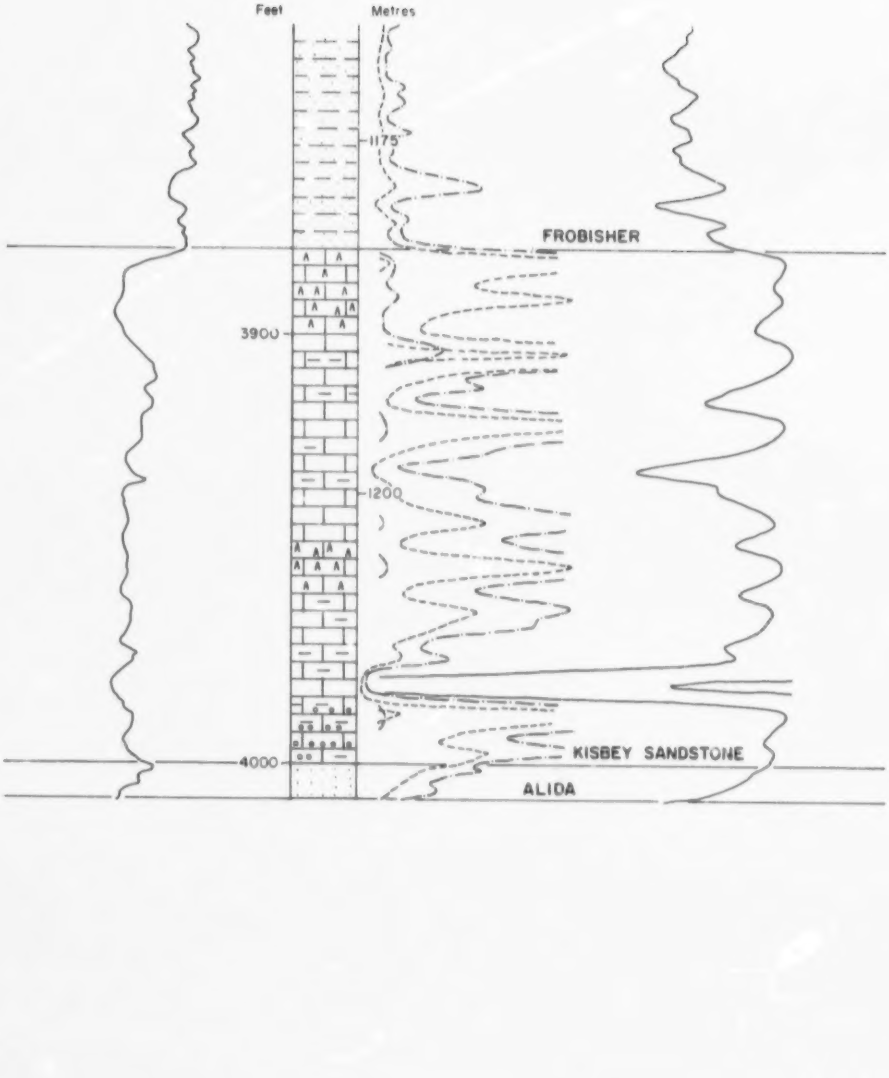
LOWER WATROUS
3400
TILSTON
1050
SOURIS VALLEY
3500
1075

MURPHY HASTINGS 7-24-4-34

7-24-4-34-W1

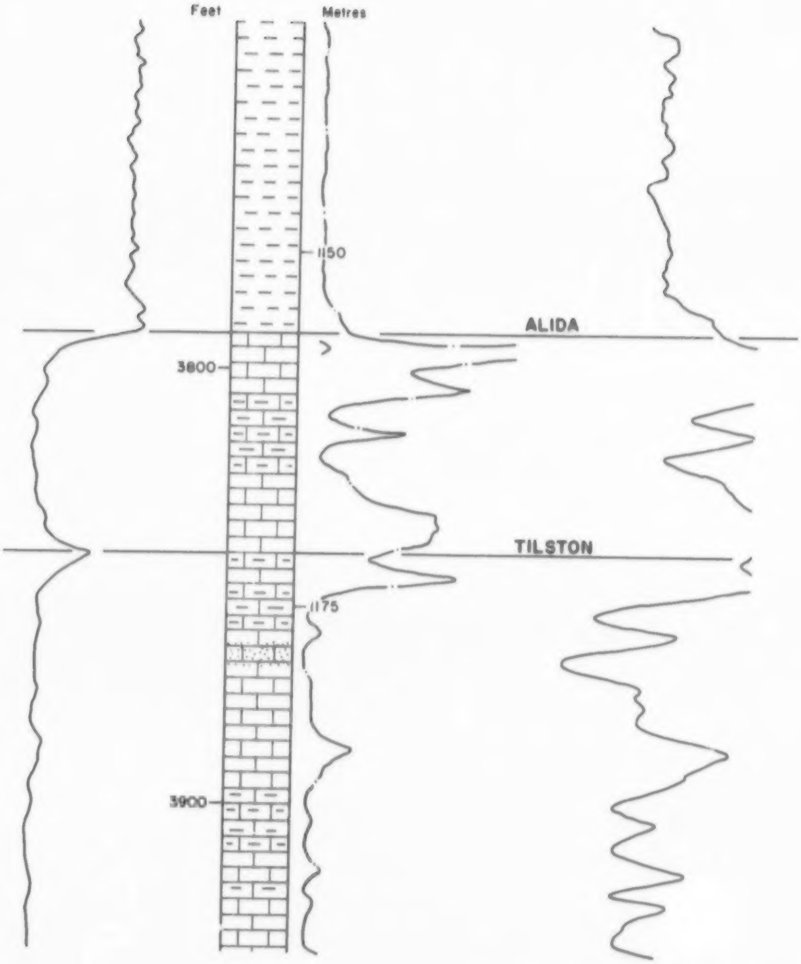
PRODUCING HORIZON : FROBISHER BEDS


Feet
Metres
1175
FROBISHER
3900
1200
KISBEY SANDSTONE
4000
ALIDA

SUN QUEENSDALE 2-13-6-1

2-13-6-1-W2

PRODUCING HORIZON : ALIDA BEDS

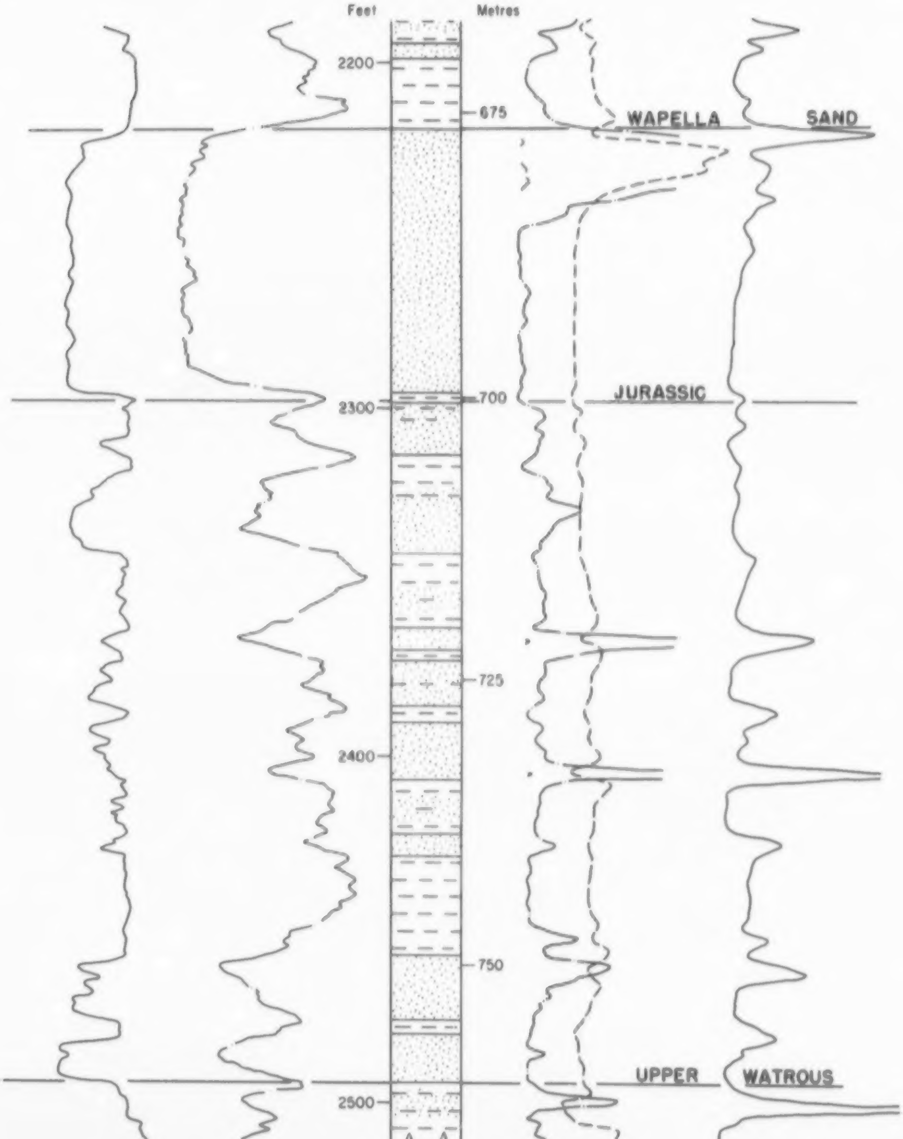


Feet
Metres
1150
ALIDA
3800
TILSTON
1175
3900

TIDEWATER WAPELLA 6-33

6-33-14-1-W2

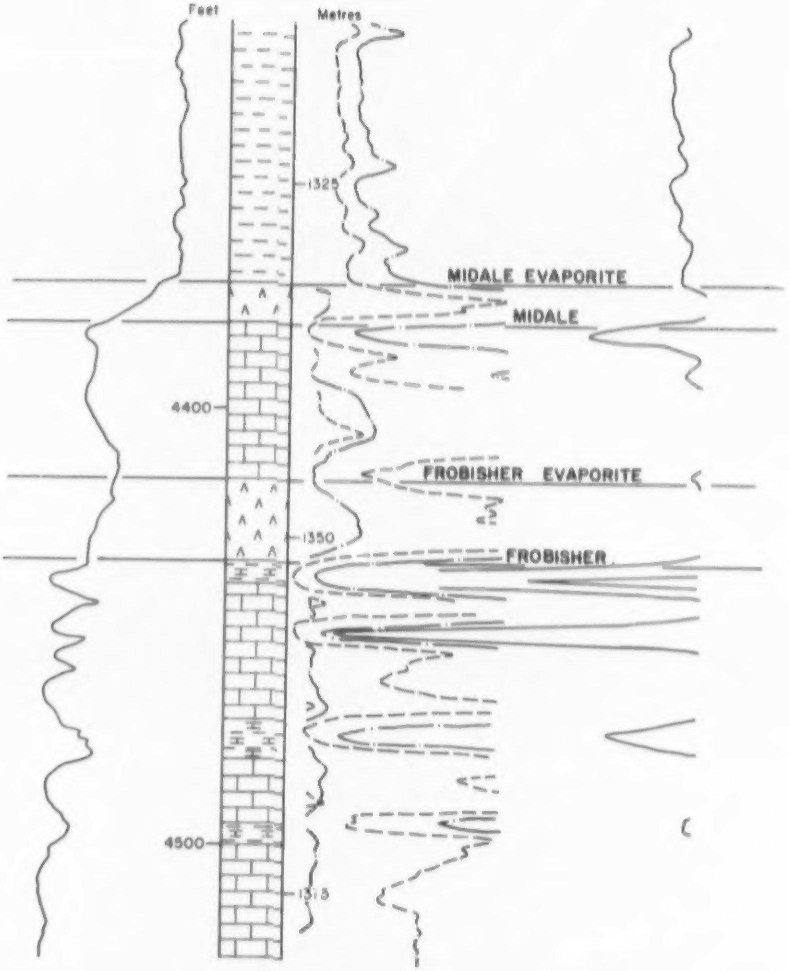
PRODUCING HORIZONS : WAPELLA AND JURASSIC SANDS



PHOENIX et al STEELMAN 5-24-5-6

5-24-5-6-W2

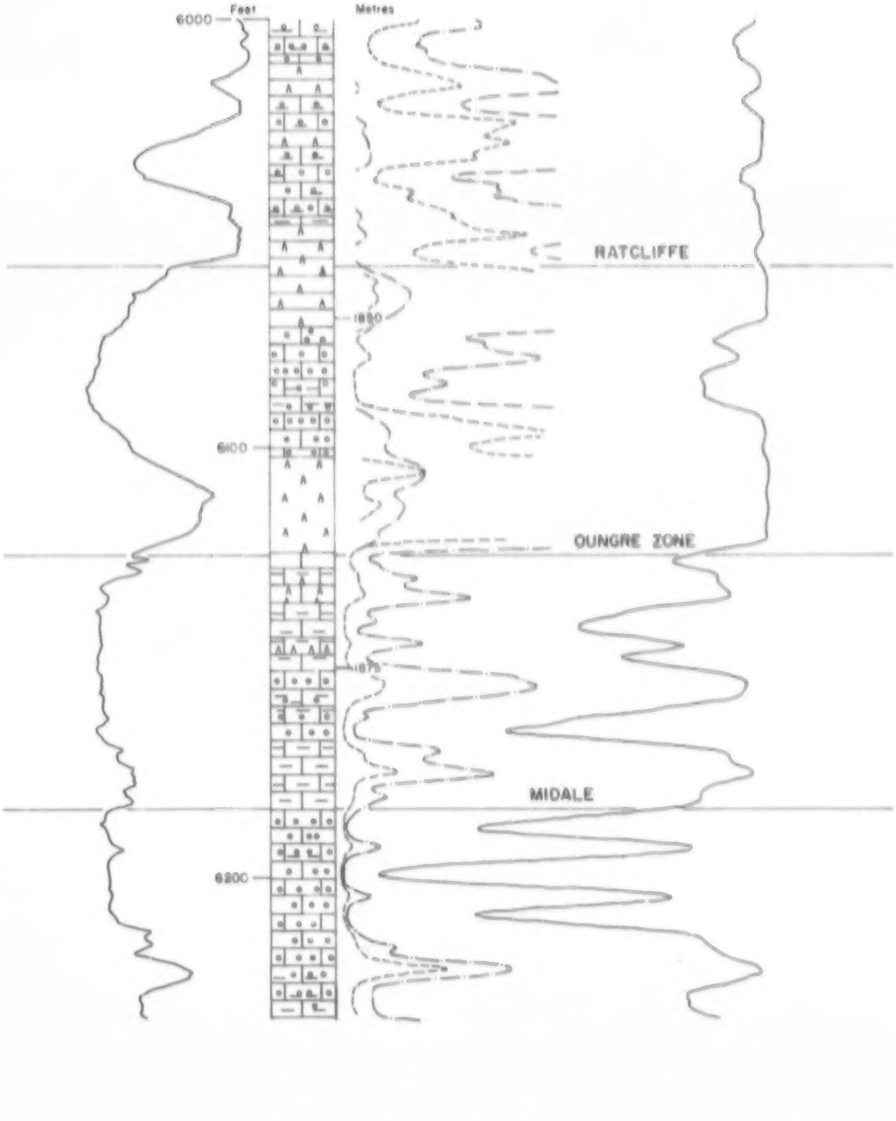
PRODUCING HORIZONS : MIDALE AND FROBISHER BEDS


Feet
Metres
1325
MIDALE EVAPORITE
MIDALE
4400
FROBISHER EVAPORITE
1350
FROBISHER
4500
1375

CNEL CDR OUNGRE 9-24-2-15

9-24-2-15-W2

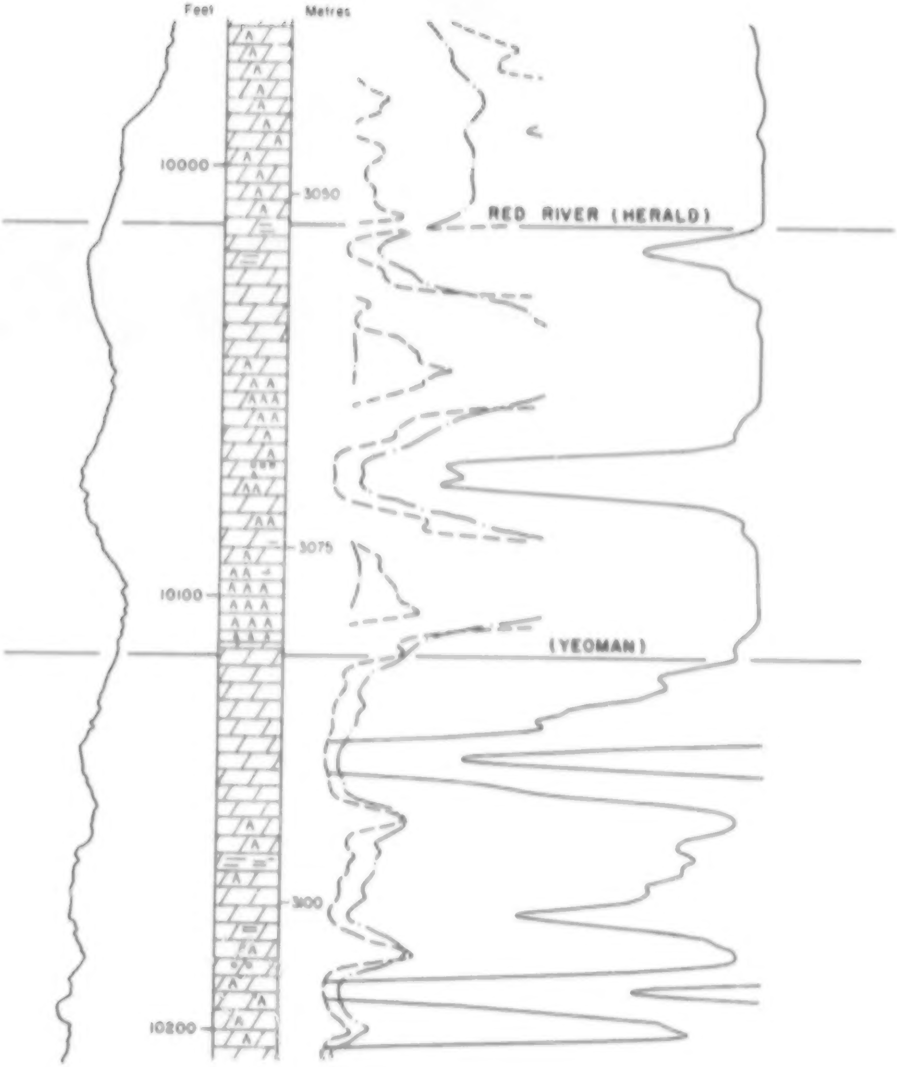
PRODUCING HORIZON : RATCLIFFE BEDS



C D R SCURRY S LAKE ALMA 1-14-1-17

1-14-1-17-W2

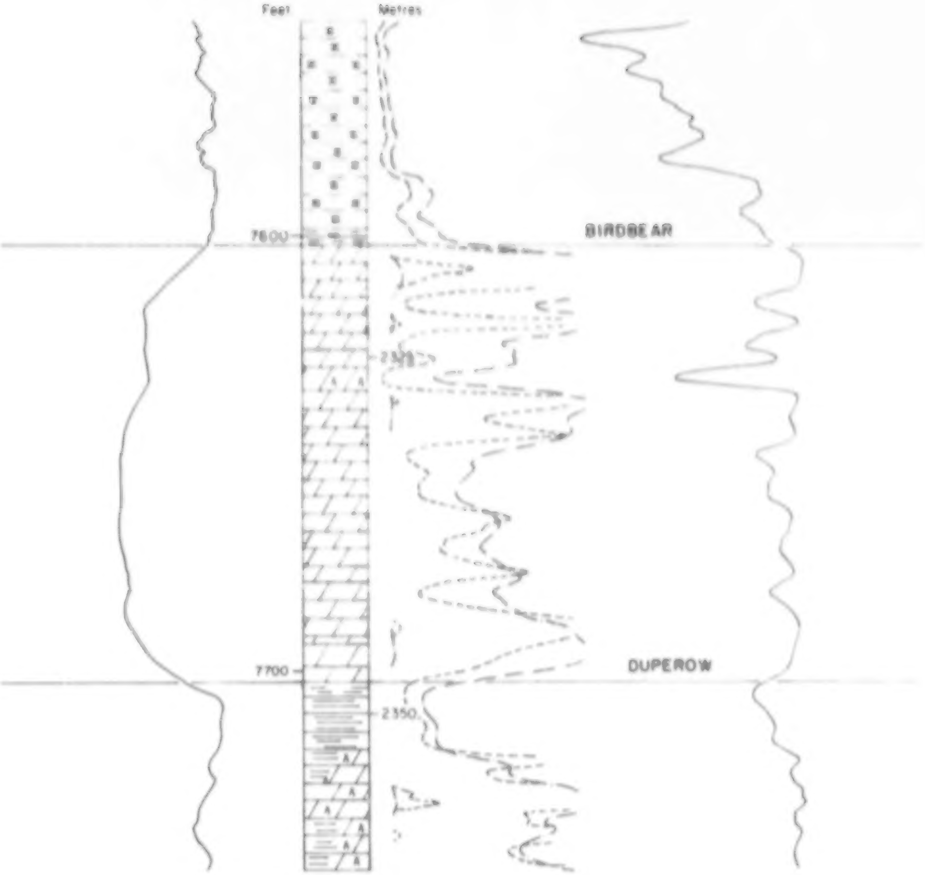
PRODUCING HORIZON : RED RIVER FORMATION



HB MIAMI HUMMINGBIRD 11-26-2-19

11-26-2-19-W2

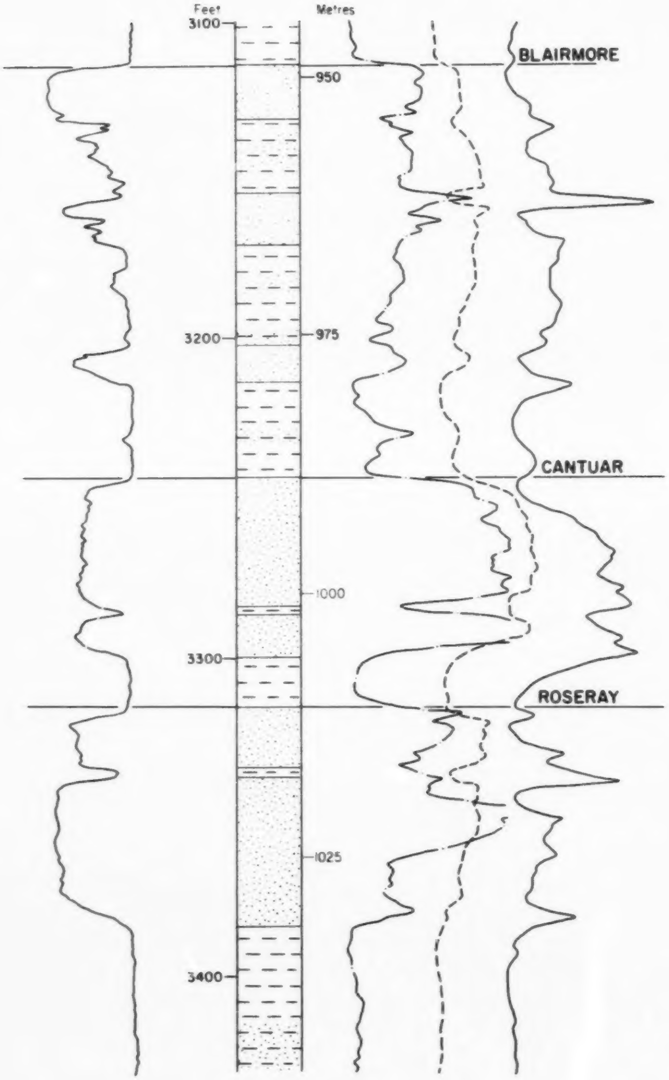
PRODUCING HORIZON : BIRDBEAR FORMATION



M.U.S. CANTUAR 5-2-16-17

5-2-16-17-W3

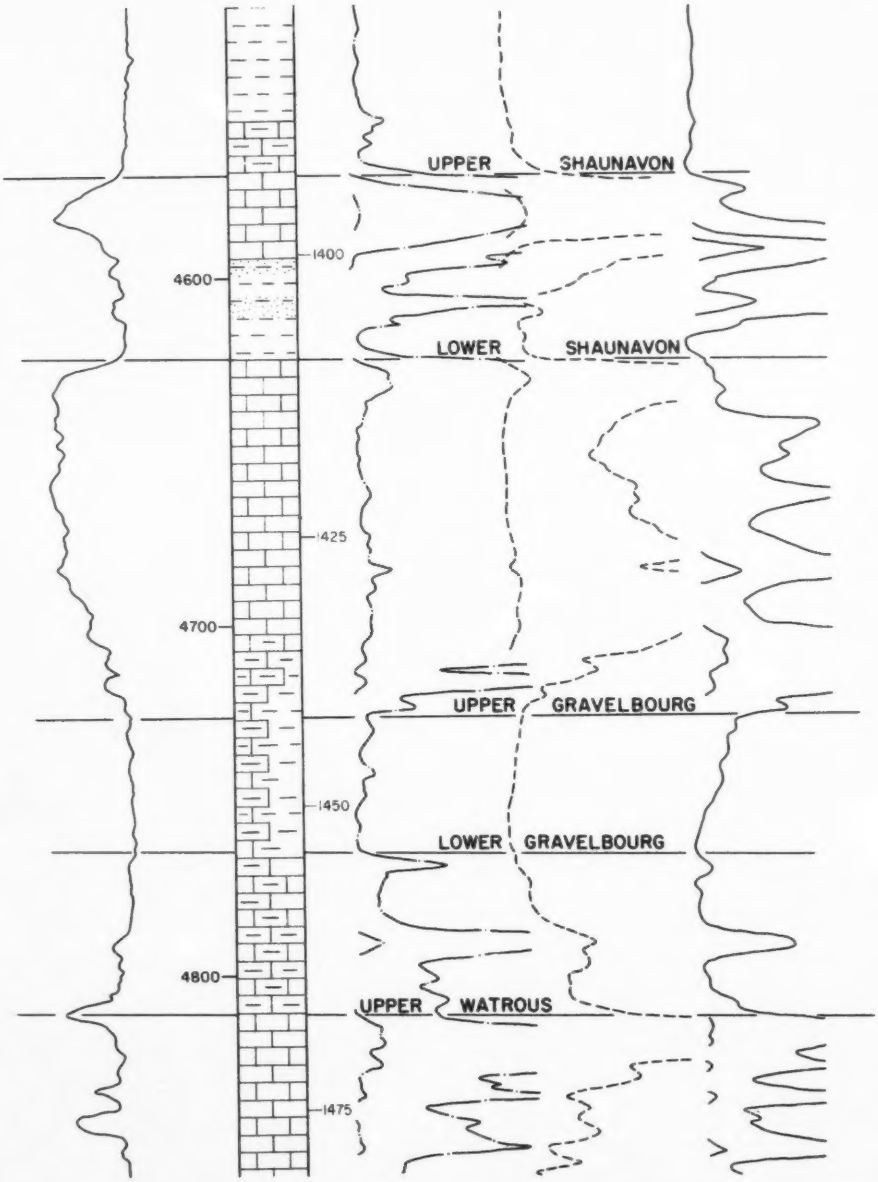
PRODUCING HORIZONS : CANTUAR AND ROSERAY SANDS



TIDEWATER INSTOW CROWN 11-33

11-33-9-18-W3

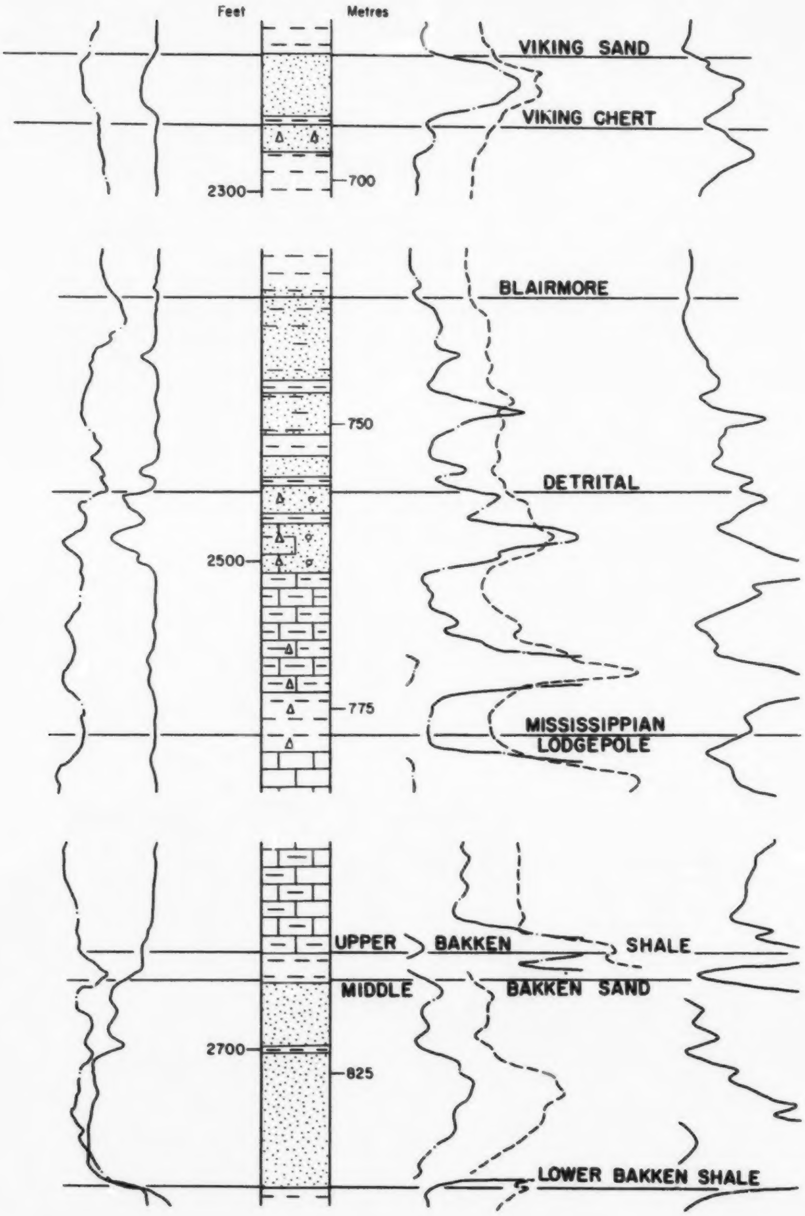
PRODUCING HORIZONS : UPPER AND LOWER SHAUNAVON FORMATIONS


UPPER SHAUNAVON
1400
4600
LOWER SHAUNAVON
1425
4700
UPPER GRAVELBOURG
1450
LOWER GRAVELBOURG
4800
UPPER WATROUS
1475

COLEVILLE UNIT 5-30-31-23

5-30-31-23-W3

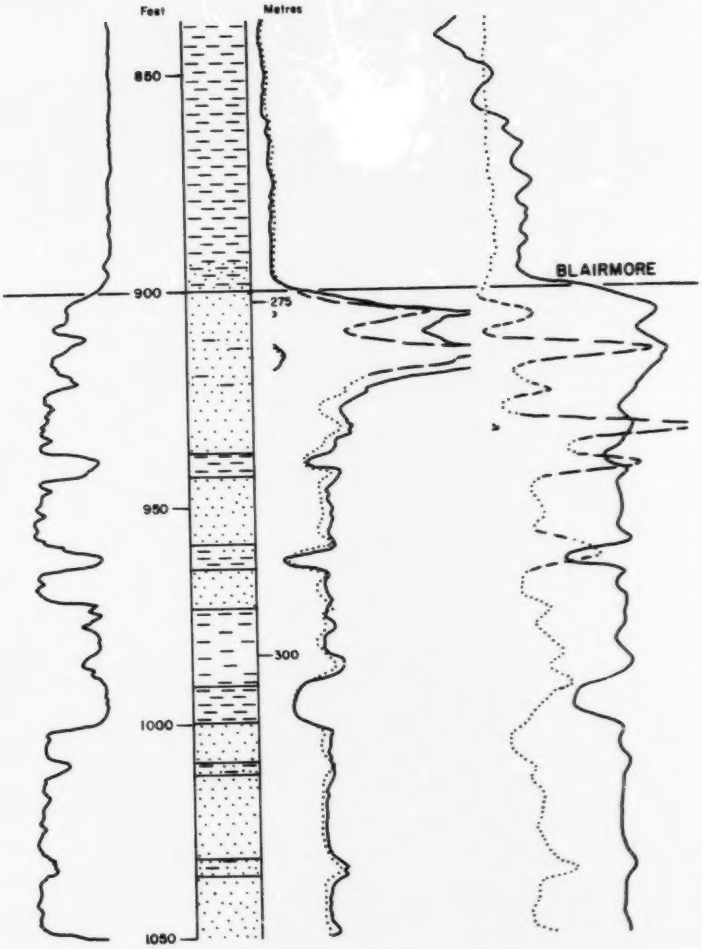
PRODUCING HORIZONS : VIKING AND MIDDLE BAKKEN SANDS


Feet
Metres
VIKING SAND
VIKING CHERT
2300
700
BLAIRMORE
750
DETRITAL
2500
775
MISSISSIPPIAN
LODGEPOLE
UPPER
BAKKEN
SHALE
MIDDLE
BAKKEN SAND
2700
825
LOWER BAKKEN SHALE

SPC BEACON HILL 10-17-61-24

10-17-61-24-W3

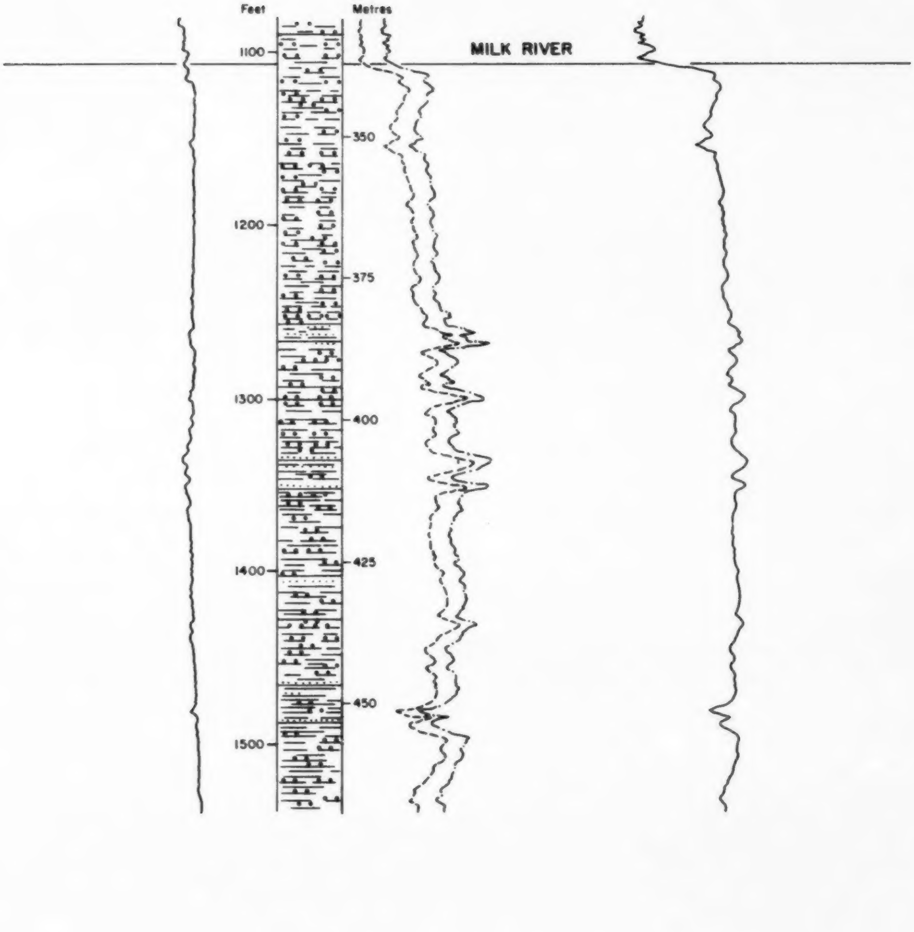
PRODUCING HORIZON : BLAIRMORE



CAN OXY et al SANDHILLS 11-21-17-25

11-21-17-25-W3

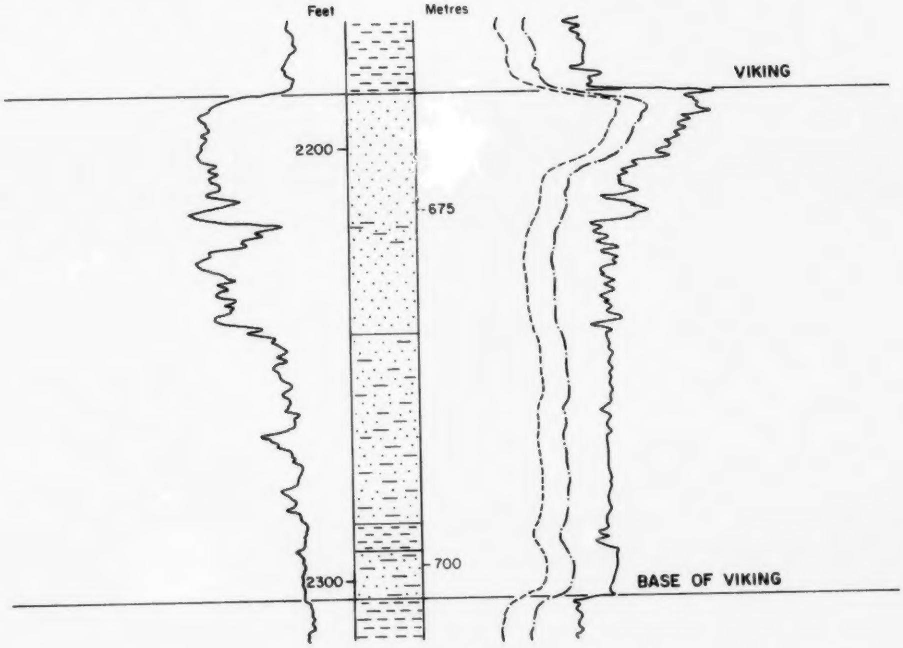
PRODUCING HORIZON : MILK RIVER SAND



IMP BAYHURST 11-19V-24-25

11-19-24-25-W3

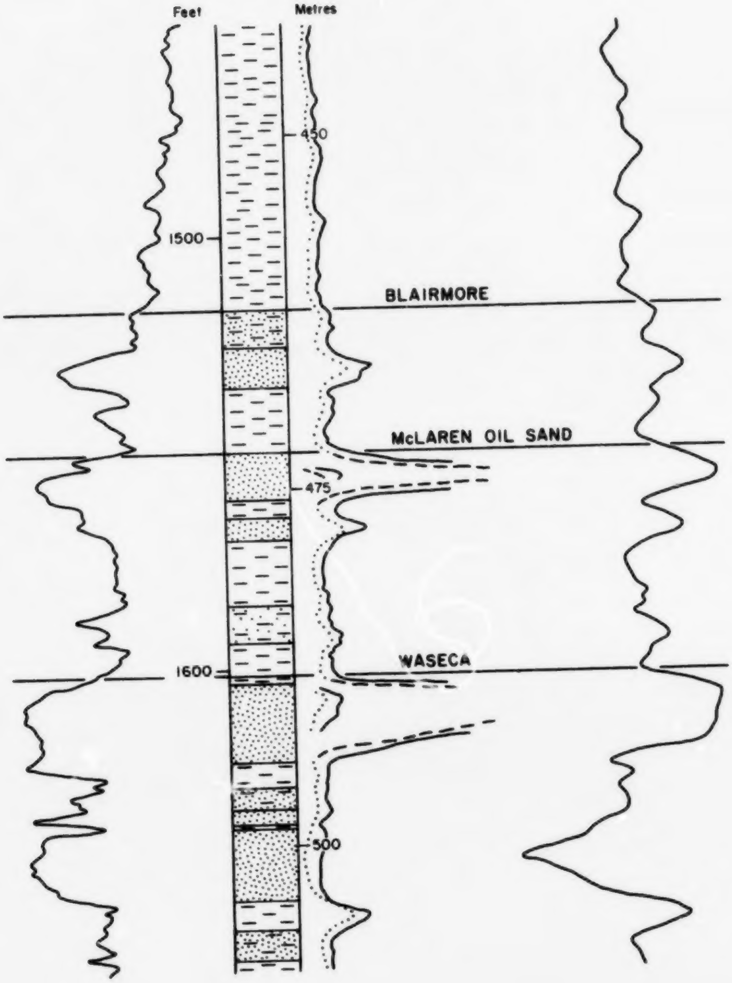
PRODUCING HORIZON : VIKING SAND


Feet
Metres
VIKING
2200
675
700
2300
BASE OF VIKING

HUSKY BIG GULLY C6-27-49-25

C6-27-49-25-W3

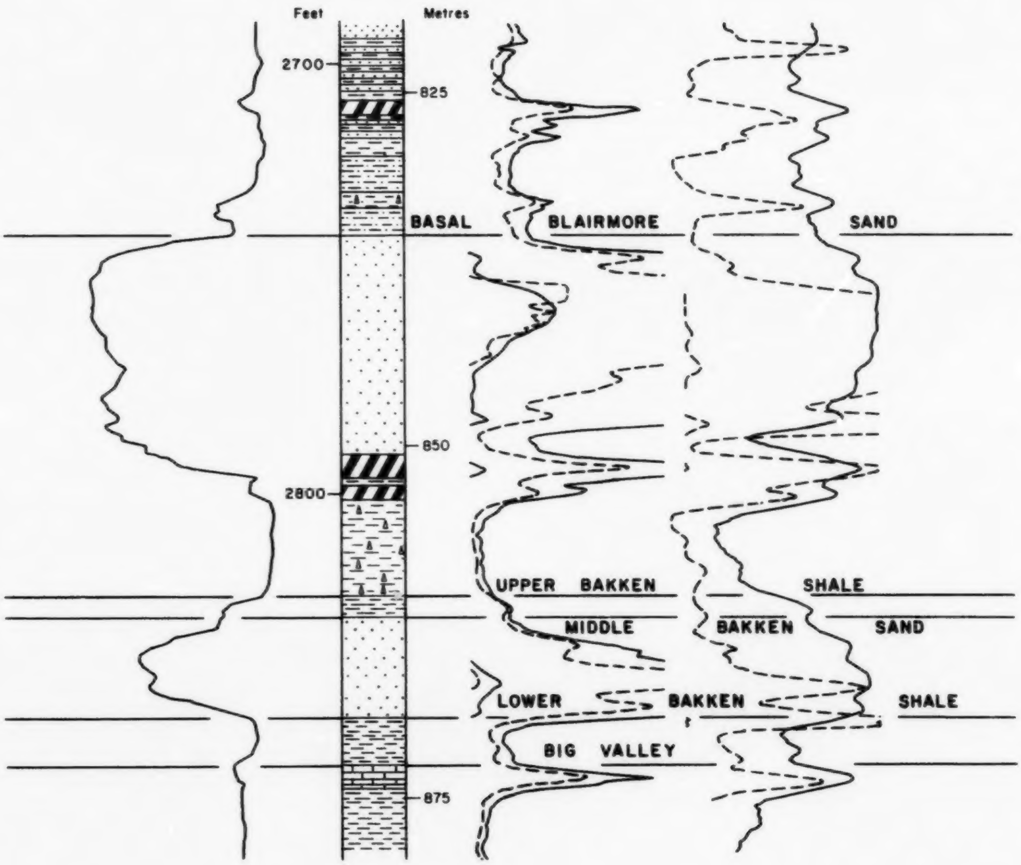
PRODUCING HORIZONS : McLAREN AND WASECA SANDS


Feet
Metres
450
1500
BLAIRMORE
McLAREN OIL SAND
475
WASECA
1600
500

HUSKY N. HOOSIER 6-14-32-27

6-14-32-27-W3

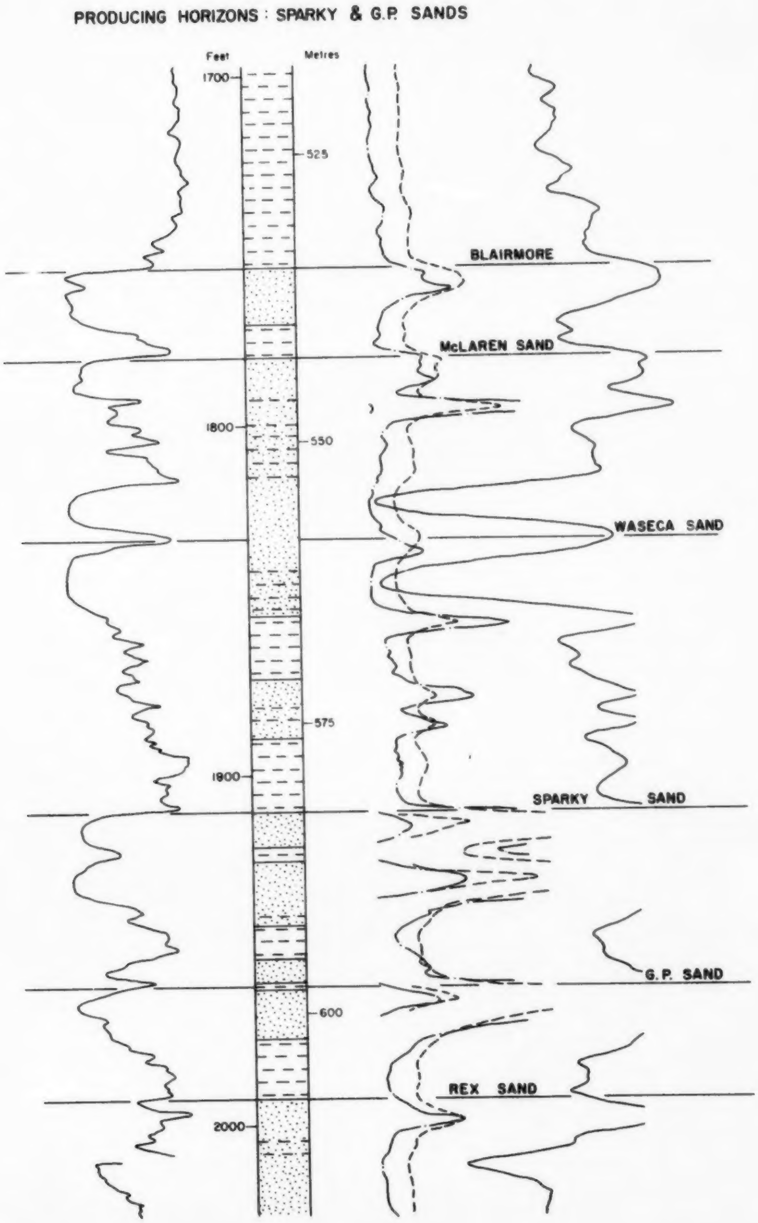
PRODUCING HORIZON : BASAL BLAIRMORE


Feet
Metres
2700
825
BASAL BLAIRMORE SAND
850
2800
UPPER BAKKEN SHALE
MIDDLE BAKKEN SAND
LOWER BAKKEN SHALE
BIG VALLEY
875

CDN RES EPPING A14-30-47-27

14-30-47-27-W3

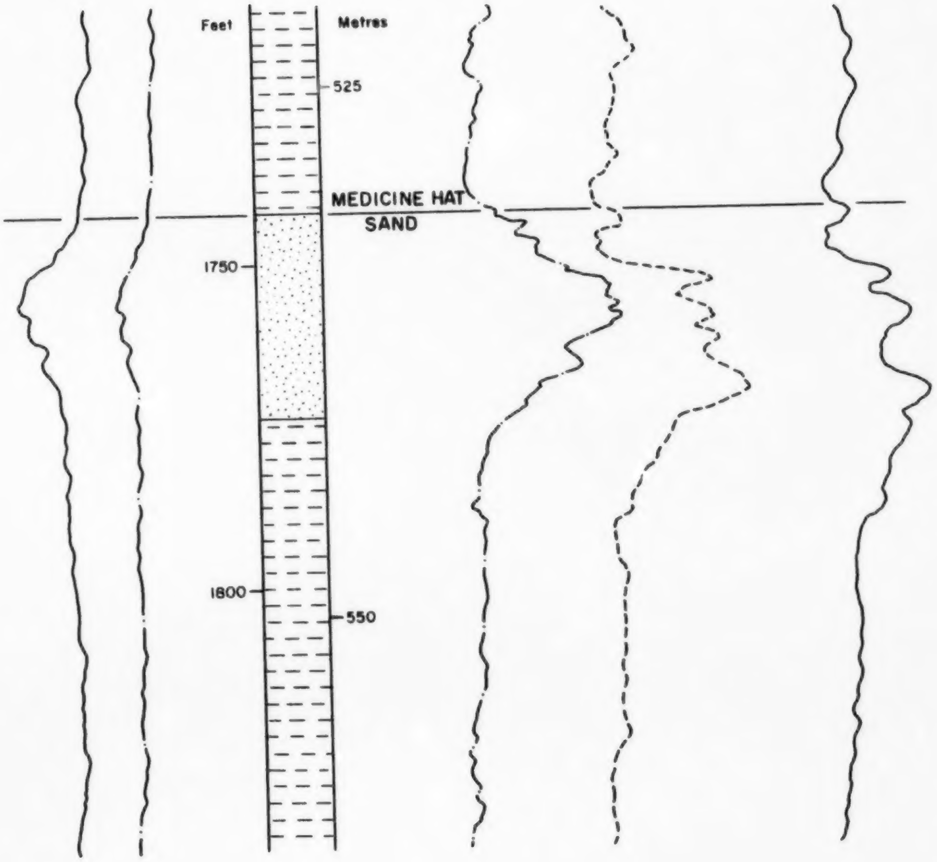
PRODUCING HORIZONS : SPARKY & G.P. SANDS



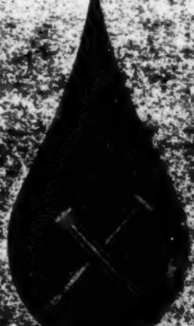
N C O HORSHAM 10-7-16-29

10-7-16-29-W3

PRODUCING HORIZON : MEDICINE HAT SAND



POOL PRESSURE DATA



POOL	DATUM METRES SUBSEA	PRESSURE GRADIENT kPA/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Aberfeldy Sparky Sand	+80.8				
Alameda Midale Beds:					
(Central Group)	792.5	7.24	57	15.39	10.64 MPa @ 57°C
(East Group)	746.8	7.24	57	15.27	10.80 MPa @ 57°C
Alida East Alida Beds	536.4	7.67	44	10.47	10.47 MPa @ 43°C
Alida West Alida Beds	545.6	7.67	45	10.54	10.54 MPa @ 45°C
Alsask Basal Blairmore Sand	91.4	9.27	33		
Antelope Lake Upper Shaunavon	300.2	8.82	49	10.00	
Arcola Frobisher-Alida Beds	570.0	8.37	53	11.00	8.77 MPa @ 53°C
Avon Hill Viking	13.7	8.37	23	6.72	
Baldwinton Sparky Sand	+43.7				
Battrum North Roseray Sand	172.4				
Battrum Roseray Sand	179.8	8.82	46	8.56	1.39 MPa @ 43°C
Bench Upper Shaunavon	438.9	8.82		12.45	
Benson Midale Beds	754.4	7.92	68	14.38	
Beverley Cantuar Sand	243.8	9.05	48	9.11	9.11 MPa @ 48°C
Beverley North Cantuar Sand	232.9				
Beverley Upper Roseray Sand	246.9	8.78			
Bienfait Midale Beds	1005.7				
Big Gully McLaren Sand	+141.7				
Big Gully Waseca Sand	+125.0				
Bone Creek Upper Shaunavon	464.8	8.60	48	12.27	4.78 MPa @ 49°C
Bromhead Midale Beds	1098.8	8.60		17.65	
Browning Frobisher-Alida Beds	682.8	7.24	59	12.55	
Bryant Frobisher Beds	836.2				
Bryant Midale Beds	807.4				
Buffalo Coulee Bakken Sand	108.2	9.66			2.21 MPa @ 26°C
Buffalo Coulee North Bakken Sand	93.0				
Butte Upper Shaunavon	417.6	8.82	49	12.37	1.23 MPa @ 49°C
Buzzard Lloydminster Sand	+38.4				
Cactus Lake Basal Mannville Bakken Sand	97.1				
Cantal Frobisher-Alida Beds	579.1	6.79	47	10.87	10.85 MPa
Cantuar Lower Roseray Sand	228.6	8.78	51	9.10	9.10 MPa @ 52°C
Cantuar East Cantuar Sand	228.6	8.60	51		
Cantuar East Roseray Sand	228.6	8.78	51		
Cantuar Main Cantuar Sand	227.1	8.78	51	8.95	8.95 MPa @ 52°C
Carnduff Midale Beds	723.9	7.24	58	15.17	
Carnduff Frobisher Beds	752.9	7.24	59	12.98	

POOL	DATUM METRES SUBSEA	PRESSURE GRADIENT kPA/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Celtic Sparky Sand	+118.9				
Celtic Waseca Sand	+140.2				
Clarilaw Frobisher-Alida Beds	623.3	7.24	58	11.78	
Clintonville Shaunavon Pool	456.8				
Coleville Bakken Sand	109.7	9.50			
Covington Upper Shaunavon	416.1	8.82	52	11.94	3.52 MPa @ 51°C
Covington West Upper Shaunavon	417.6	8.82			
Crystal Hill Souris Valley Beds	434.3	8.37		9.19	
Dalesboro Frobisher-Alida Beds	670.6	8.37	56	12.00	
Dee Valley East Sparky Sand	+79.2				
Dee Valley East Waseca Sand	+102.1				
Dee Valley Waseca Sand	103.6				
Delta Upper Shaunavon	306.3	8.82	46	10.57	7.46 MPa @ 47°C
Dodsland Viking Sand	+4.6	7.99	23	6.41	6.41 MPa
Dollard Upper Shaunavon	434.3	8.60	59	11.80	6.32 MPa @ 60°C
Druid Mannville Sands	59.0				
Dulwich North Sparky Sand	+86.9				
Dulwich Sparky Sand	+79.2				
Eastbrook Upper Shaunavon	461.8	9.05	54	15.70	
Edam Waseca Sand	+119.2				
Edenvale Tilston Beds	533.4	7.69	43		
Elmore Midale Beds	685.8	7.92	52	14.33	
Elmore Frobisher Beds	701.0	7.92	52	12.05	6.83 MPa @ 51°C
Epping G.P. Sand	+57.9				
Epping Sparky Sand	+67.1				
Eureka Viking	18.3	7.99	23	6.12	4.43 MPa @ 26°C
Eyehill Cummings Sand	89.9				
Flat Lake Ratcliffe Beds	1271.0	8.37	73	20.15	9.80 MPa @ 81°C
Florence Frobisher Beds	789.4	8.37	57	13.28	
Forest Bank Mannville Sands	+115.8				
Forest Bank Sparky Sand	+99.1				
Forest Bank Waseca Sand	+120.4				
Fosterton Roseray Sand:					
Middle (II) Roseray Sand	221.0	8.82	52	9.10	
Lower (I) Roseray Sand	221.0	8.82	52	9.10	
Northwest Group	218.5	8.82	52		
Freda Lake Ratcliffe Beds	960.1	8.37		18.56	
Freemont Sparky Sand	+43.8				
Freemont Waseca Sand	+62.5				

POOL	DATUM METRES SUBSEA	PRESSURE GRADIENT kPA/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Freestone Frobisher-Alida Beds	570.0	7.92	54	11.29	
Frys Tilston-Souris Valley Beds	402.3	8.37			
Furness Sparky Sand	+73.2				
Fusilier Bakken Sand Pool	121.9	9.27			
Gainsborough Frobisher-Alida Beds	579.1	7.24	44		
Glen Ewen Midale Beds	728.5	7.24	56	15.17	
Glen Ewen Frobisher Beds	751.3	7.24	56		
Golden Lake North Sparky Sand	+96.0				
Golden Lake North Waseca Sand	+121.9				
Golden Lake South Sparky Sand	+96.0				
Golden Lake South Waseca Sand	+115.8				
Griffin Frobisher Beds Pool	690.4	8.60	62		
Gull Lake Basal Cantuar Sand	300.2	8.82	47		8.79 MPa @ 47°C
Gull Lake Central Upper Shaunavon	387.1	8.82	51		
Gull Lake North Upper Shaunavon	365.8	8.82	48	11.11	1.10 MPa @ 46°C
Gull Lake South Upper Shaunavon	402.3	8.82	52	11.71	
Gully Lake Waseca Sand	+103.6				
Handsworth Alida Beds	536.4	8.60	51	10.99	
Hartaven Frobisher-Alida Beds	577.6	8.60	56	11.58	
Hastings Frobisher Beds	643.1	6.79	49	11.65	11.65 MPa
Hazelwood Tilston Beds	425.2	8.37	43	9.53	
Hazlet Roseray Sand	205.7	9.05	47	9.13	5.60 MPa @ 47°C
Hoffer Ratcliffe Lower Beds	1248.2	8.60		19.47	
Hoffer Ratcliffe Upper Beds	1231.4	8.60		19.33	
Hoosier Bakken Sand Pool	150.9	9.50			
Hume Frobisher Beds	739.1	8.60	64	13.21	
Hume Midale Beds	723.9	8.60		14.23	
Hummingbird Birdbear	1585.0	8.14	82	23.16	8.09 MPa @ 82°C
Hummingbird Ratcliffe Beds	1155.2	8.60	71	18.70	6.03 MPa @ 71°C
Huntoon Frobisher Beds	754.4	8.60	61		
Huntoon Midale Beds	737.6	8.60	55		
Illerbrun Upper Shaunavon	414.5	8.82	49	11.86	3.15 MPa @ 49°C
Ingoidsby Frobisher-Alida Beds	548.6	7.89	46	10.51	4.81 MPa @ 45°C
Innes Frobisher Beds	719.3	8.60	63	12.98	7.78 MPa @ 61°C
Instow Upper Shaunavon	464.8	8.60	48	12.27	4.78 MPa @ 49°C
Johnston Upper Shaunavon	371.9	8.82	48	9.24	
Kenosee Tilston Beds	426.7	7.92	46	9.38	

POOL	DATUM METRES SUBSEA	PRESSURE GRADIENT kPA/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Kisbey Birdbear Pool	1018.3				
Lake Alma Ratcliffe Beds	1268.0	8.37	67	20.27	
Landrose McLaren Sand	+144.8				
Landrose Waseca Sand	+129.5				
Lashburn South Sparky Sand	+93.7				
Lashburn South Waseca Sand	+117.3				
Lashburn Waseca Sand	+126.5				
Lashburn West Sparky Sand	+81.4				
Leitchville Shaunavon	452.6	8.60	50	12.51	4.78 MPa @ 49°C
Leon Lake Shaunavon	457.2	8.60	52	10.69	5.52 MPa @ 41°C
Lightning Tilston Beds	449.6	7.92	46	9.39	
Lloydminster Sparky Sand	+83.8				
Lone Rock Sparky Sand	+71.6				
Lost Horse Hill Frobisher-Alida Beds	559.3	8.14	57	11.40	3.36 MPa @ 55°C
Lougheed Midale Beds	807.7	8.14	61		
Loverna Detrital	126.5	8.60			
Low Lake Waseca Sand	+111.3				
Lucky Hills Viking	7.6	8.37			
Macklin Sparky Sand	39.6				
Macoun Midale Beds	946.4	8.82	63		9.32 MPa @ 63°C
Macoun West Midale Beds	978.3				
Maidstone McLaren Sand	+126.1				
Maidstone Waseca Sand	+113.4				
Main Success Roseray Sand	225.6	8.60	50	9.06	8.67 MPa @ 59°C
Marsden South Sparky Sand	+31.7				
Marsden Sparky Sand	+36.1				
Melrose Frobisher-Alida Beds	551.7	8.14	54		
Midale Central Midale Beds	800.1	7.92	63	14.31	6.09 MPa @ 63°C
Midale Central Frobisher Beds	786.4	7.69	62	14.20	5.24 MPa @ 57°C
Minard Midale Beds	738.5				
Moose Mountain Tilston Beds	435.9	8.48	46	9.45	3.14 MPa @ 41°C
Moose Valley Tilston Beds	428.2	8.60			
Morrisview Frobisher-Alida Beds	661.4	8.37	48	12.37	
Neilburg McLaren Sand	+103.9				
Neptune Ratcliffe Beds	1034.8	8.37			
North Antler Midale Beds	658.4	8.14	56	13.98	
Northgate Frobisher Beds	1033.3	8.14	63		

POOL	DATUM METRES SUBSEA	PRESSURE GRADIENT kPA/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Northgate Midale Beds	1021.1	7.24	71	18.03	14.48 MPa @ 70°C
North Handsworth Alida Beds	538.0	8.60	55	11.08	
North Hoosier Bakken Sand	135.3	9.50	31	7.74	7.79 MPa @ 31°C
North Hoosier Basal Blairmore Sand	120.4	9.34	29	5.85	
Northminster North G.P. Sand	+83.2				
Northminster North Sparky Sand	+94.1				
Northminster Sparky Sand	+91.4				
North Premier Roseray Sand	228.6	8.60	47	9.25	3.12 MPa @ 47°C
North Premier Upper Shaunavon	310.9	8.82	57	10.31	0.89 MPa @ 49°C
Nottingham Alida Beds	548.6	7.15	43	10.60	10.66 MPa @ 44°C
Oakley Frobisher Beds	582.2	6.72	46	10.95	10.95 MPa
Oungre Ratcliffe Beds	1188.7	8.14	70	18.96	8.07 MPa
Parkman Souris Valley Beds	416.1	8.37	49	9.09	
Parkman Tilston Beds	442.0	7.92	43	9.51	2.79 MPa @ 43°C
Parkman Tilston-Souris Valley Beds	402.3	7.92	38	9.10	2.41 MPa @ 38°C
Parkman South Tilston-Souris Valley	455.7	8.23	38	9.45	
Pennant Upper Shaunavon	265.2	9.05			
Pikes Peak G.P. Sand	+81.0				
Pikes Peak Sparky Sand	+91.4				
Pikes Peak Waseca Sand	+123.4				
Pinto Midale Beds	1024.1	7.01	70	17.24	13.85 MPa @ 70°C
Pinto Frobisher Beds	1036.3	7.01	66	16.55	
Plato North Viking Sand	20.8				
Plato Viking Sand	9.1	8.37	24	6.89	3.28 MPa @ 21°C
Plover Lake Bakken Sand	86.6				
Queensdale East Frobisher-Alida Beds	573.0	7.58	47	10.84	7.72 MPa @ 46°C
Queensdale North Alida Beds	588.3	7.58	49	10.85	
Queensdale West Alida Beds	600.5	7.58	48	11.25	11.24 MPa @ 48°C
Ralph Midale	723.9	7.92			
Rapdan Upper Shaunavon	449.6	8.60	49	13.72	5.61 MPa @ 56°C
Rocanville Bakken Sand	160.0	8.37	27	6.23	
Roncott Bakken Sand	1121.7	8.08	59		2.05 MPa @ 52°C
Rosebank Alida Beds	536.4	7.19	44	10.49	
Rosebank South Alida Beds	533.4	7.46	43		
Rush Lake Sparky Sand	+88.3				
Rush Lake Waseca Sand	+113.9				
Senlac Lloydminster Sand	78.2				

POOL	DATUM METRES SUBSEA	PRESSURE GRADIENT kPA/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Sherwood Frobisher Beds	701.0	7.92	56	12.27	8.76 MPa @ 56°C
Silverdale Sparky Sand	+68.6				
Silverton Frobisher Beds	618.7	8.37	49		
Skinner Lake Ratcliffe Beds	1008.9	8.37			
Smiley Dewar Viking Sand	15.2	7.99	23	6.47	6.36 MPa
Smiley Dewar Viking Chert	18.3	7.99	23	6.49	
Souris Flat Frobisher Beds	789.4	8.28	59	13.34	11.82 MPa @ 59°C
South Fletwode Tilston Beds	429.8	7.92	44	9.45	
South Success Roseray Sand	231.0	8.60	51	8.96	8.96 MPa @ 53°C
Standard Hill Waseca Sand	+109.7				
Star Valley Frobisher-Alida Beds	536.4	7.46	52	10.82	8.61 MPa @ 52°C
Steelman Midale Beds	853.4	7.01	67	14.34	14.34 MPa
Steelman Frobisher Beds	853.4	7.01	67	14.36	
Storthoaks Alida-Tilston Beds	493.8	7.92	38	9.80	8.09 MPa @ 42°C
Stoughton Frobisher-Alida Beds	644.7	7.46	61	12.07	8.09 MPa @ 62°C
Stoughton South Frobisher Beds	647.7	7.46		14.13	
Success North Roseray Sand	236.9				
Success Roseray Sand Alpha	219.5	8.60	51	8.76	7.86 MPa @ 51°C
Suffield Roseray Sand	259.1	8.60	52	12.98	7.41 MPa @ 44°C
Suffield Upper Shaunavon	318.5	8.82	50	10.82	
Tangleflags East McLaren Sand	+139.6				
Tangleflags G.P. Sand	+100.6				
Tangleflags Lloydminster Sand	+61.0				
Tangleflags North Cummings Sand	+50.3				
Tangleflags North G.P. Sand	+99.1				
Tangleflags North Lloydminster Sand	+51.8				
Tangleflags Sparky Sand	+109.7				
Tangleflags West G.P. Sand	+102.9				
Tangleflags West Lloydminster Sand	+62.4				
Tangleflags West Sparky Sand	+113.5				
Tatagwa Midale Beds	857.4				
Verlo Roseray Sand	213.4	8.82	52	9.14	9.24 MPa @ 39°C
Viewfield Frobisher Beds	670.6	8.69	65	12.22	9.03 MPa @ 65°C
View Hill Midale Beds	957.1	8.75	76	15.69	
Wapella Sand	76.2	8.37	32	5.26	0.34 MPa @ 29°C
Warmley Alida Beds	496.2	8.37	54	10.15	
Weir Hill Frobisher Beds	762.0	7.24			

POOL	DATUM METRES SUBSEA	PRESSURE GRADIENT kPA/m	TEMPERATURE AT DATUM DEPTH °C	VIRGIN PRESSURE AT DATUM DEPTH MPa	SATURATION PRESSURE
Westhazel G.P. Sand	+90.1				
Westhazel Sparky Sand	+103.8				
West Innes Frobisher Beds	722.4	8.60	64	13.07	
West Kingsford Midale Beds	876.3	7.01	67	14.82	9.40 MPa @ 67°C
Weyburn Midale Beds	807.7	8.14	61	14.60	
Weyburn Frobisher Beds	807.7	8.14	61		
White Bear Tilston Beds	445.0	7.92	43	9.74	
White Bear Tilston-Souris Valley Beds	457.2	8.37	39	9.47	2.41 MPa
Whitemud Upper Shaunavon	469.4	9.05	54	13.79	5.52 MPa @ 41°C
Whiteside Viking Sand	36.6	7.92	24	6.38	
Wildwood Alida Beds	582.2	8.37	48	10.77	
Willmar Frobisher-Alida Beds	661.4	7.24	54	11.87	11.32 MPa @ 53°C
Winmore Frobisher Beds	641.6	8.60		11.23	
Winter Cummings Sand	36.9				
Workman Midale Beds	685.8	7.24	54	14.75	7.64 MPa @ 53°C
Workman Frobisher Beds	701.0	7.69	54	12.27	6.55 MPa @ 59°C

INITIAL GAS POOL PRESSURE DATA

POOL	DATUM (METRES SUBSEA)	TEMPERATURE AT DATUM DEPTH (°C)	PSEUDO-REDUCED TEMPERATURE	PSEUDO-REDUCED PRESSURE	VIRGIN PRESSURE AT DATUM DEPTH (kPa)
Bayhurst Viking Gas Pool	+9.1	25	1.61	1.47	6700
Bayhurst West Viking Gas Pool	-7.6	28	1.60	1.47	6720
Beacon Hill Mannville Sand Gas Pool	+256.0	21	1.56	0.47	2170
Beverley East Cantuar Gas Pool	+170.0	46	1.67	2.11	9650
Brock Viking Sand Gas Pool	-3.0	28	1.59	1.46	6690
Brock East Viking Gas Pool	-7.6	29	1.52	1.55	7060
Cavalier Spinney Hill Sand Gas Pool	+162.1	18	1.60	0.70	3140
Coleville-Smiley Viking Sand Gas Pool	+12.2	24	1.50	1.40	6480
Dodsland North Viking Gas Pool	+21.3	23	1.50	1.33	6110
Fort Pitt Mannville Sand Gas Pool	+191.0	20	1.79	0.61	2790
Fort Pitt North Mannville Sand Gas Pool	+198.9	19	1.77	0.62	2850
Glidden Viking Gas Pool	-1.5	22	1.57	1.47	6690
Greenan Viking Gas Pool	-15.2	28	1.61	1.45	6580
Gull Lake Cantuar Gas Pool	-259.1	43	1.59	2.05	9480
Hatton Medicine Hat Sand Gas Pool	+274.3	17	1.53	0.94	4310
Hatton Milk River Gas Pool	+321.6	16	1.53	0.75	3450
Hoosier Viking Sand Gas Pool	-18.3	26	1.52	1.43	6560
Liebenthal Milk River Gas Pool	+297.2	16	1.53	0.79	3630
Lloydminster Colony Sand Gas Pool	+134.1	23	1.54	0.70	3260
Marengo Viking Gas Pool	-10.7	21	1.48	1.47	6740
Milton Viking Sand Gas Pool	-18.3	23	1.49	1.42	6550
Pierceland Mannville Sand Gas Pool	+256.0	21	1.56	0.46	2100
Totnes Viking Gas Pool	-3.0	24	1.59	1.50	6830
Whiteside Victoria Sand Gas Pool	+481.6	20	1.53	0.43	2000
Whiteside West Viking Sand Gas Pool	-14.4	27	1.51	1.24	5940

MPR FACTORS

MAXIMUM PERMISSIVE RATE FACTORS

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (I/Boi)	ASSIGNED AREA	
				(LSDS) (A)	(ACRES)
232106	Aberfeldy Sparky Sand	30	90	1	40
433007	Alameda Midale Beds Pool	35	75	2	80
435776	Alida East Alida Beds Pool	35	75	2	80
435777	Alida West Alida Beds Pool	35	77	2	80
239022	Alsask Basal Blairmore Sand Pool	25	75	1	40
314552	Antelope Lake East Roseray Sand Pool	30	93	2	80
331064	Antelope Lake Upper Shaunavon Pool	25	93	2	80
435024	Arcola Frobisher-Alida Beds Pool	35	79	2	80
227331	Avon Hill Viking Pool	35	90	2	80
232135	Baldwinton Sparky Sand Pool	30	90	1	40
430073	Battle Creek Madison Pool	25	90	2	80
331072	Battle Creek Upper Shaunavon Pool	25	90	2	80
314553	Battrum North Roseray Sand Pool	41	97.5	1	40
314546	Battrum Roseray Sand Pool (Upper)	41	97.5	1 & 2	40 & 80
	(Main)	17	97.5	1 & 2	40 & 80
331060	Bench Upper Shaunavon Pool	25	75	4	160
433075	Benson Midale Beds Pool	50	89	2 & 4	80 & 160
238146	Beverley Cantuar Sand Pool	30	90	2	80
238148	Beverley North Cantuar Sand Pool	30	90	2	80
314641	Beverley Upper Roseray Sand Pool	35	90	1	40
433035	Bienfait Midale Beds Pool	35	85	2	80
231202	Big Gully McLaren Sand Pool	30	90	1	40
231309	Big Gully Waseca Sand Pool	30	90	1	40
331050	Bone Creek Upper Shaunavon Pool	15	94	2	80
435019	Browning Frobisher-Alida Beds Pool	35	75	2	80
433089	Bromhead Midale Beds Pool	35	75	4	160
435172	Bryant Frobisher Beds Pool	35	75	4	160
433099	Bryant Midale Beds Pool	35	89	4	160
441422	Buffalo Coulee Bakken Sand Pool	25	93	1/2	20
441428	Buffalo Coulee North Bakken Sand Pool	25	93	1	40
331059	Butte Upper Shaunavon Pool	25	96	4	160
234133	Buzzard Lloydminster Sand Pool	30	90	1	40
441426	Cactus Lake Basal Mannville - Bakken Sand Pool	25	95	1	40
435005	Cantal Frobisher-Alida Beds Pool	35	75	2	80
238143	Cantuar East Cantuar Sand Pool	30	90	2	80
314550	Cantuar East Roseray Sand Pool	35	90	2	80
238141	Cantuar Main Cantuar Sand Pool	30	90	1	40

MAXIMUM PERMISSIVE RATE FACTORS

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (I/Boi)	ASSIGNED AREA (LSDS) (A)	(ACRES)
314741	Cantuar Lower Roseray Sand Pool	35	95	1	40
435180	Carnduff Frobisher Beds Pool	35	75	2	80
433006	Carnduff Midale Beds Pool	35	75	2	80
230903	Celtic Blairmore Sands Pool	30	90	1	40
232122	Celtic Sparky Sand Pool	30	90	1	40
231313	Celtic Waseca Sand Pool	30	90	1	40
435021	Clarilaw Frobisher-Alida Beds Pool	35	75	2	80
330062	Clintonville Shaunavon Pool	25	90	4	160
441421	Coleville Bakken Sand Pool	15	93	1/2	20
331055	Covington Upper Shaunavon Pool	15	94	2	80
331071	Covington West Upper Shaunavon Pool	25	75	4	160
438030	Crystal Hill Souris Valley Beds Pool	40	90	4	160
435028	Dalesboro Frobisher-Alida Beds Pool	35	78	2	80
232125	Dee Valley East Sparky Sand Pool	30	90	1	40
231316	Dee Valley East Waseca Sand Pool	30	90	1	40
321310	Dee Valley Waseca Sand Pool	30	90	1	40
331046	Delta Upper Shaunavon Pool	25	93	2	80
227327	Dodsland Viking Sand Pool	35	90	1	40
331041	Dollard Upper Shaunavon Pool	5	91	4	160
230025	Druid Mannville Sands Pool	30	90	1	40
232109	Dulwich North Sparky Sand Pool	30	90	1/2	20
232102	Dulwich Sparky Sand Pool	30	90	1/4	10
331056	Eastbrook Upper Shaunavon Pool	20	91	2	80
330074	Eastend Shaunavon Pool	20	91	2 & 4	80 & 160
435189	East Pinto Frobisher Beds Pool	35	75	2	80
433033	East Pinto Midale Beds Pool	35	75	2	80
231320	Edam Waseca Sand Pool	30	90	1	40
437032	Edenvale Tilston Beds Pool	40	90	2	80
435184	Elmore Frobisher Beds Pool	45	86	2	80
433018	Elmore Midale Beds Pool	35	75	2	80
232504	Epping G.P. Sand Pool	30	90	1/2 & 1	20 & 40
232104	Epping Sparky Sand Pool	30	90	1/2 & 1	20 & 40
227323	Eureka Viking Pool	35	90	1	40
235002	Eyehill Cummings Sand Pool	30	90	1	40
432085	Flat Lake Ratcliffe Beds Pool	35	80	4	160
435187	Florence Frobisher Beds Pool	35	75	2	80
230902	Forest Bank Mannville Sands Pool	30	90	1	40

MAXIMUM PERMISSIVE RATE FACTORS

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (I/Boi)	ASSIGNED AREA	
				(LSDS)	(ACRES) (A)
232123	Forest Bank Sparky Sand Pool	30	90	1	40
231305	Forest Bank Waseca Sand Pool	30	90	1	40
314541	Fosterton Roseray Sand Pool	16	95	1	40
232130	Freemont Sparky Sand Pool	30	90	1	40
231315	Freemont Waseca Sand Pool	30	90	1	40
435082	Freestone Frobisher-Alida Beds Pool	35	75	2	80
432090	Freda Lake Ratcliffe Beds Pool	35	90	4	160
437579	Frys Tilston-Souris Valley Beds Pool	40	90	2	80
232113	Furness Sparky Sand Pool	30	90	1/4	10
441425	Fusilier Bakken Sand Pool	25	95	1	40
435009	Gainsborough Frobisher-Alida Beds Pool	30	75	2	80
433008	Glen Ewen Midale Beds Pool	35	75	4	160
435181	Glen Ewen Frobisher Beds Pool	35	75	4	160
232112	Golden Lake North Sparky Sand Pool	30	90	1	40
231306	Golden Lake North Waseca Sand Pool	30	90	1	40
232107	Golden Lake South Sparky Sand Pool	30	90	1	40
231308	Golden Lake South Waseca Sand Pool	30	90	1	40
435168	Griffin Frobisher Beds Pool	35	89	2	80
238142	Gull Lake Basal Cantuar Sand Pool	35	92	1	40
331058	Gull Lake Central Upper Shaunavon Pool	25	97	2	80
331043	Gull Lake North Upper Shaunavon Pool	25	97	1	40
331057	Gull Lake South Upper Shaunavon Pool	25	97	4	160
231307	Gully Lake Waseca Sand Pool	30	90	1	40
435761	Handsworth Alida Beds Pool	35	75	2	80
435087	Hartaven Frobisher-Alida Beds Pool	40	89	2	80
435177	Hastings Frobisher Beds Pool	35	75	2	80
437027	Hazelwood Tilston Beds Pool	40	90	2	80
314548	Hazlet Roseray Sand Pool	21	94.7	2	80
432094	Hoffer Ratcliffe Lower Beds Pool	35	80	4	160
432093	Hoffer Ratcliffe Upper Beds Pool	35	80	4	160
441424	Hoosier Bakken Sand Pool	25	95	1	40
435167	Hume Frobisher Beds Pool	35	89	4	160
433091	Hume Midale Beds Pool	35	89	2 & 4	80 & 160
521029	Hummingbird Birdbear Pool	25	83	2	80
432088	Hummingbird Ratcliffe Beds Pool	25	75	2	80
435163	Huntoon Frobisher Beds Pool	50	89	2 & 4	80 & 160
		35	89	2 & 4	80 & 160

MAXIMUM PERMISSIVE RATE FACTORS

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (I/Boi)	ASSIGNED AREA (A)	
				(LSDS)	(ACRES)
433079	Huntoon Midale Beds Pool	50	89	2 & 4	80 & 160
331054	Illerbrun Upper Shaunavon Pool	15	94	4	160
435003	Ingoldsby Frobisher-Alida Beds Pool	35	89	2	80
435165	Innes Frobisher Beds Pool	35	89	2	80
331049	Instow Upper Shaunavon Pool	5	94	4	160
331042	Johnston Upper Shaunavon Pool	25	97	1	40
437016	Kenosee Tilston Beds Pool	40	90	2	80
521034	Kisbey Birdbear Pool	40	75	2	80
432086	Lake Alma Ratcliffe Beds Pool	35	80	4	160
231201	Landrose McLaren Sand Pool	30	90	1/2	20
231301	Landrose Waseca Sand Pool	30	90	1/2	20
232129	Lashburn South Sparky Sand Pool	30	90	1	40
231314	Lashburn South Waseca Sand Pool	30	90	1	40
231303	Lashburn Waseca Sand Pool	30	90	1	40
232137	Lashburn West Sparky Sand Pool	30	90	1	40
330047	Leitchville Shaunavon Pool	35	90	4	160
330048	Leon Lake Shaunavon Pool	25	90	4	160
437023	Lightning Tilston Beds Pool	40	90	2	80
232124	Lloydminster Sparky Sand Pool	30	90	1/2	20
232103	Lone Rock Sparky Sand Pool	30	90	1/4	10
435073	Lost Horse Hill Frobisher-Alida Beds Pool	45	89	2	80
433081	Lougheed Midale Beds Pool	35	89	2	80
240024	Loverna Detrital Pool	25	75	1	40
231302	Low Lake Waseca Sand Pool	30	90	1/2	20
227335	Lucky Hills Viking Pool	35	90	2 & 4	80 & 160
232126	Macklin Sparky Sand Pool	30	90	1	40
433095	Macoun Midale Beds Pool	35	89	4	160
433069	Macoun West Midale Beds Pool	40	89	4	160
231205	Maidstone McLaren Sand Pool	30	90	1	40
231322	Maidstone Waseca Sand Pool	30	90	1	40
314543	Main Success Roseray Sand Pool	30	93	1	40
232138	Marsden South Sparky Sand Pool	30	90	1	40
232105	Marsden Sparky Sand Pool	30	90	1/4	10
435080	Melrose Frobisher-Alida Beds Pool	45	89	2	80
435161	Midale Central Frobisher Beds Pool	50	89	2	80
433072	Midale Central Midale Beds Pool	50	89	2	80
433070	Minard Midale Beds Pool	35	89	4	160

MAXIMUM PERMISSIVE RATE FACTORS

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (I/Boi)	ASSIGNED AREA	
				(LSDS)	(A) (ACRES)
437014	Moose Mountain Tilston Beds Pool	40	90	2	80
437076	Moose Valley Tilston Beds Pool	40	90	2	80
435031	Morrisview Frobisher-Alida Beds Pool	35	80	2	80
231203	Neilburg McLaren Sand Pool	30	90	1	40
432092	Neptune Ratcliffe Beds Pool	35	80	4	160
433026	North Antler Midale Beds Pool	35	75	2	80
435185	Northgate Frobisher Beds Pool	35	75	4	160
433020	Northgate Midale Beds Pool	35	75	2	80
435762	North Handsworth Alida Beds Pool	35	75	2	80
441423	North Hoosier Bakken Sand Pool	25	95	1	40
239021	North Hoosier Basal Blairmore Sand Pool	25	90	1	40
232509	Northminster North G.P. Sand Pool	30	90	1	40
232134	Northminster North Sparky Sand Pool	30	90	1	40
232108	Northminster Sparky Sand Pool	30	90	1	40
314542	North Premier Roseray Sand Pool	25	93	1	40
331044	North Premier Upper Shaunavon Pool	25	93	1	40
435780	Nottingham Alida Beds Pool	35	75	2	80
		22	75	2	80
435178	Oakley Frobisher Beds Pool	35	75	2	80
432083	Oungre Ratcliffe Beds Pool	35	80	2	80
438022	Parkman Souris Valley Beds Pool	50	90	2	80
437578	Parkman South Tilston-Souris Valley Beds Pool	40	90	2	80
437013	Parkman Tilston Beds Pool	40	90	2	80
437576	Parkman Tilston-Souris Valley Beds Pool	40	90	1 & 2	40 & 80
		50	90	1 & 2	40 & 80
331061	Pennant Upper Shaunavon Pool	25	95	2	80
232507	Pikes Peak G.P. Sand Pool	30	90	1	40
232128	Pikes Peak Sparky Sand Pool	30	90	1	40
231312	Pikes Peak Waseca Sand Pool	30	90	1	40
433015	Pinto Midale Beds Pool	35	75	2 & 4	80 & 160
435182	Pinto Frobisher Beds Pool	35	75	2 & 4	80 & 160
227340	Plato North Viking Pool	35	90	1	40
227333	Plato Viking Pool	35	90	2	80
441427	Plover Lake Bakken Sand Pool	25	95	1	40
435010	Queensdale East Frobisher-Alida Beds Pool	35	75	1 & 2	40 & 80
435782	Queensdale North Alida Beds Pool	35	75	2	80
435781	Queensdale West Alida Beds Pool	35	75	2	80

MAXIMUM PERMISSIVE RATE FACTORS

HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (I/Boi)	ASSIGNED AREA (LSDS)	(A) (ACRES)
433097	Ralph Midale Beds Pool	35	89	2	80
231045	Rapdan Upper Shaunavon Pool	20	91	4	160
330063	Rapdan West Shaunavon Pool	20	91	4	160
441476	Rocanville Bakken Sand Pool	35	75	2	80
441477	Roncott Bakken Sand Pool	25	94	2	80
435779	Rosebank Alida Beds Pool	35	79	2	80
435778	Rosebank South Alida Beds Pool	35	79	2	80
232140	Rush Lake Sparky Sand Pool	30	90	1	40
231321	Rush Lake Waseca Sand Pool	30	90	1	40
234139	Senlac Lloydminster Sand Pool	30	90	1	40
435164	Sherwood Frobisher Beds Pool	35	86	2	80
432096	Skinner Lake Ratcliffe Beds Pool	35	80	4	160
232101	Silverdale Sparky Sand Pool	30	90	1/4	10
435179	Silverton Frobisher Beds Pool	35	75	2	80
227023	Smiley-Dewar Viking Pool	35	90	1	40
435186	Souris Flat Frobisher Beds Pool	35	75	2	80
437002	South Fletwode Tilston Beds Pool	40	90	2	80
314545	South Success Roseray Sand Pool	30	93	1	40
231311	Standard Hill Waseca Sand Pool	30	90	1	40
435001	Star Valley Frobisher-Alida Beds Pool	35	81	1 & 2	40 & 80
435176	Steelman Frobisher Beds Pool	35	75	2	80
433004	Steelman Midale Beds Pool	35	72	2	80
436276	Storthoaks Alida-Tilston Beds Pool	35	79	2	80
		40	90	2	80
435078	Stoughton Frobisher-Alida Beds Pool	35	86	2	80
435171	Stoughton South Frobisher Beds Pool	35	86	2	80
314551	Success North Roseray Sand Pool	30	93	2	80
314544	Success Roseray Sand Alpha Pool	30	93	1	40
314549	Suffield Roseray Sand Pool	35	95	1 & 2	40 & 80
331052	Suffield Upper Shaunavon Pool	25	97	2	80
231204	Tangleflags East McLaren Sand Pool	30	90	1	40
232505	Tangleflags G.P. Sand Pool	30	90	1	40
234121	Tangleflags Lloydminster Sand Pool	30	90	1	40
230901	Tangleflags Mannville Sands Pool	30	90	1	40
235004	Tangleflags North Cummings Sand Pool	30	90	1	40
232506	Tangleflags North G.P. Sand Pool	30	90	1	40
234127	Tangleflags North Lloydminster Sand Pool	30	90	1	40

MAXIMUM PERMISSIVE RATE FACTORS

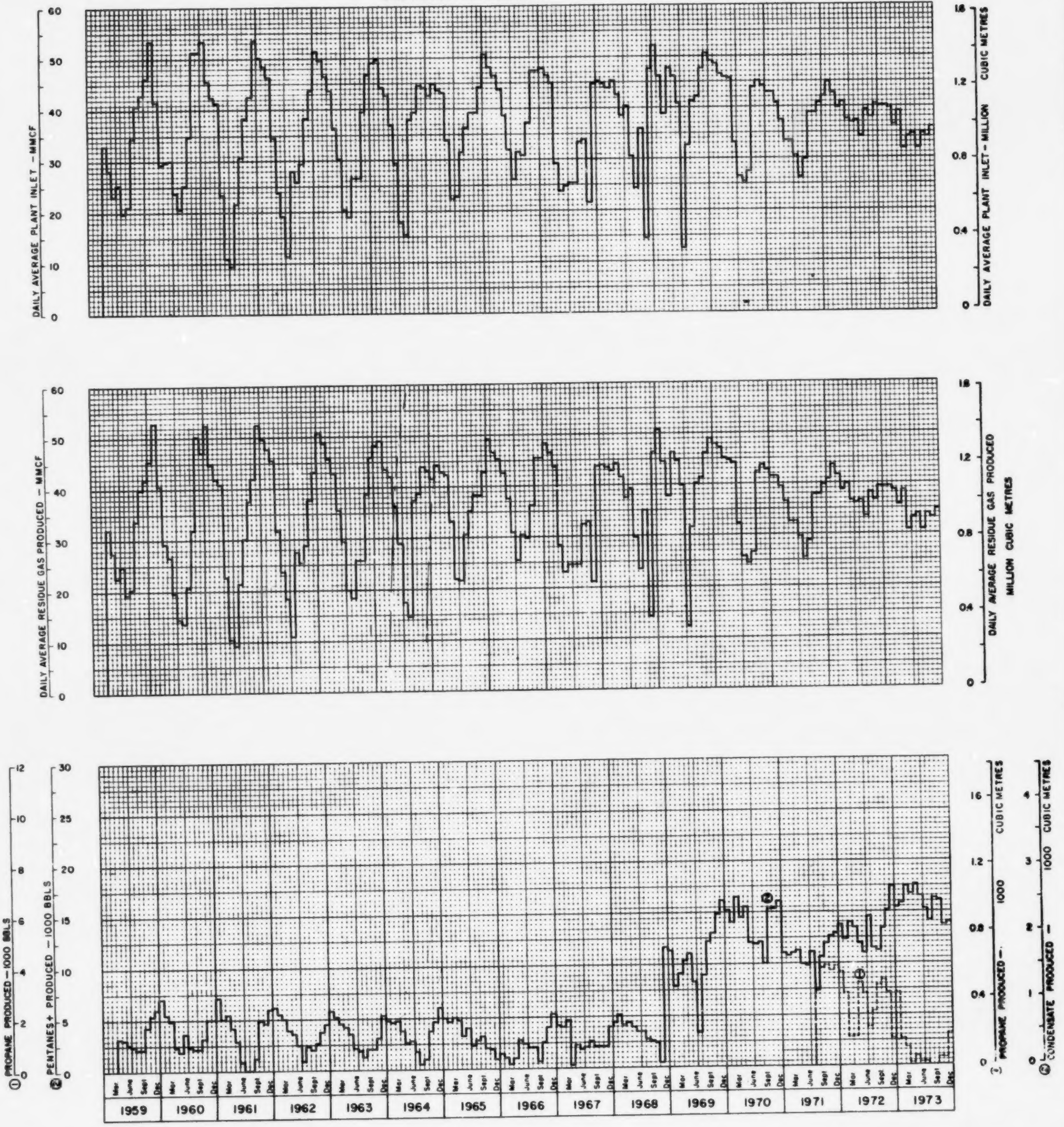
HORIZON POOL CODE	POOL NAME	AVERAGE INTERSTITIAL WATER (SW)	AVERAGE SHRINKAGE FACTOR (I/Boi)	ASSIGNED AREA (A) (LSDS)	(ACRES)
232114	Tangleflags Sparky Sand Pool	30	90	1	40
232508	Tangleflags West G.P. Sand Pool	30	90	1	40
234132	Tangleflags West Lloydminster Sand Pool	30	90	1	40
232131	Tangleflags West Sparky Sand Pool	30	90	1	40
433098	Tatagwa Midale Beds Pool	35	92	2	80
314547	Verlo Roseray Sand Pool	21	90	2	80
435170	Viewfield Frobisher Beds Pool	35	86	2	80
433071	Viewhill Midale Beds Pool	50	89	4	160
238661	Wapella Sand Pool	25	99	1	40
435784	Warmley Alida Beds Pool	35	90	2	80
435189	Weir Hill Frobisher Beds Pool	35	75	2	80
232510	Westhazel G.P. Sand Pool	30	90	1	40
232136	Westhazel Sparky Sand Pool	30	90	1	40
435166	West Innes Frobisher Beds Pool	35	89	2	80
433077	West Kingsford Midale Beds Pool	35	83.6	2	80
435162	Weyburn Frobisher Beds Pool	35	89	2	80
433074	Weyburn Midale Beds Pool	35	89	2	80
		50	89	2	80
437012	White Bear Tilston Beds Pool	40	90	2	80
437577	White Bear Tilston-Souris Valley Beds Pool	40	90	2	80
		50	90	2	80
331051	Whitemud Upper Shaunavon Pool	20	91	1	40
227326	Whiteside Viking Sand Pool	40	91	1	40
435783	Wildwood Alida Beds Pool	35	75	2	80
435011	Willmar Frobisher-Alida Beds Pool	25	78	2	80
435188	Winmore Frobisher Beds Pool	45	85	2	80
235007	Winter Cummings Sand Pool	30	90	1	40
435183	Workman Frobisher Beds Pool	35	84	2	80
433017	Workman Midale Beds Pool	35	79	2	80

GAS PLANT

PERFORMANCE GRAPHS

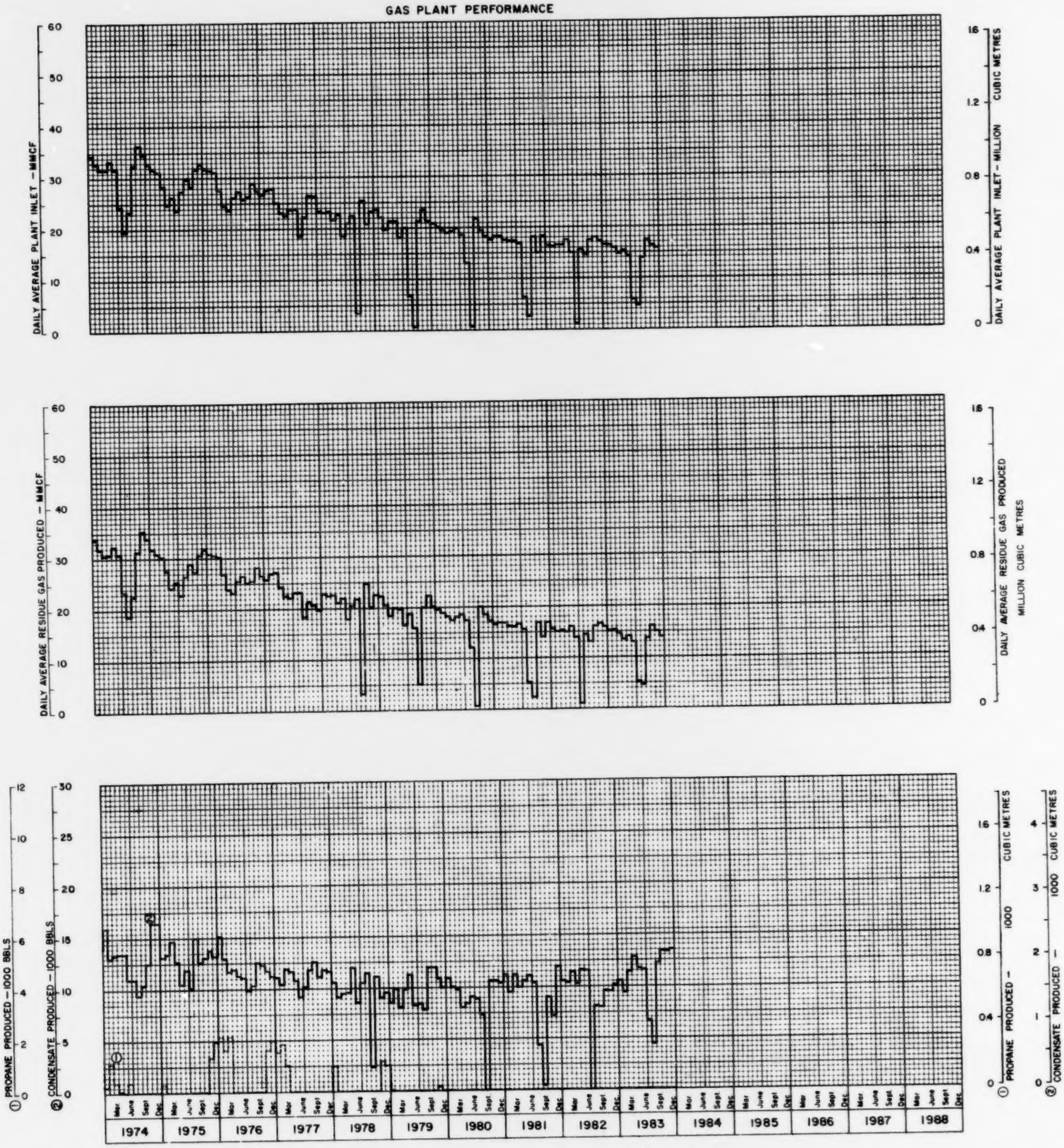
COLEVILLE GAS PLANT

GAS PLANT PERFORMANCE



COLEVILLE GAS PLANT

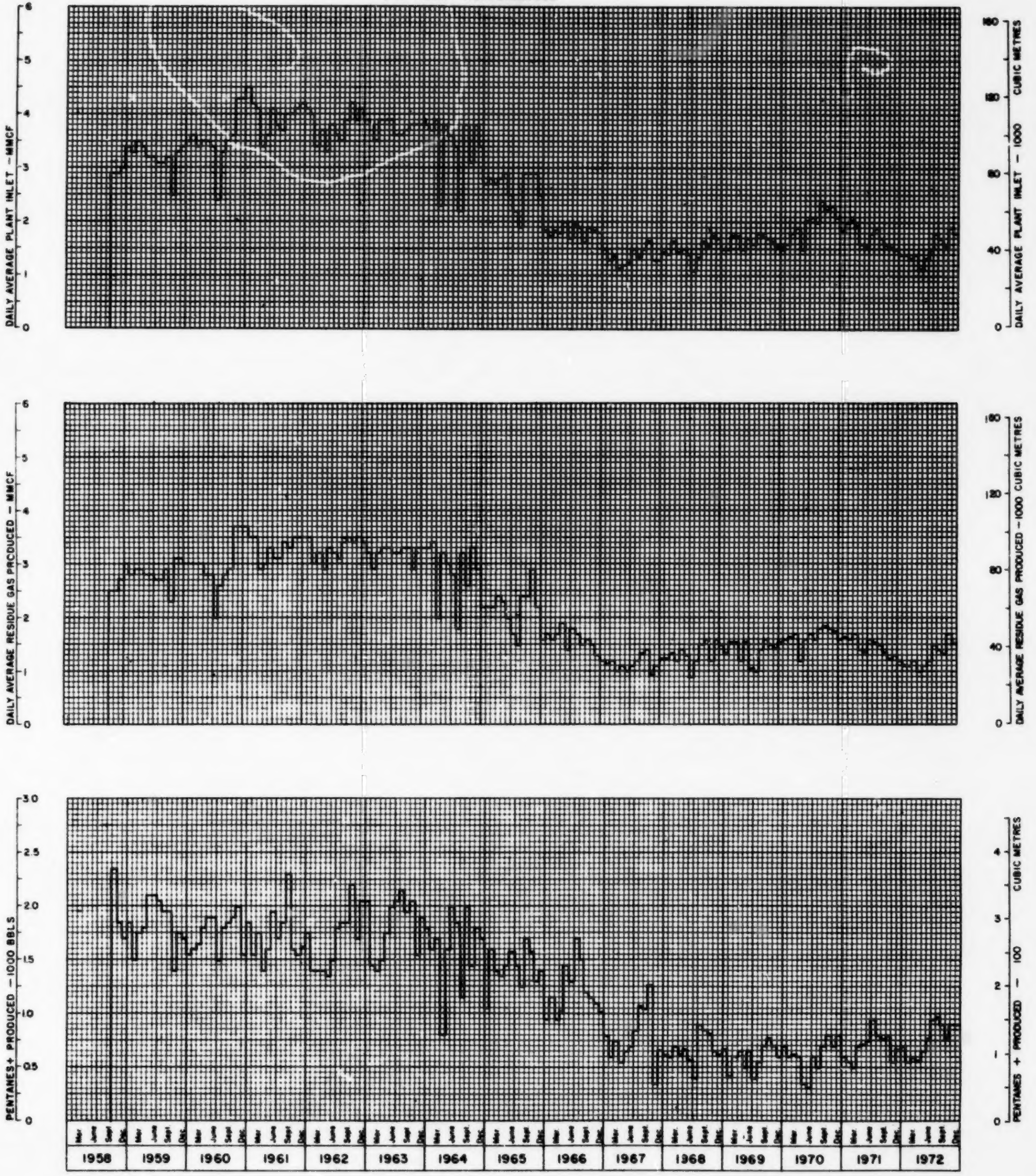
GAS PLANT PERFORMANCE



SMILEY GAS CONSERVATION PLANT

SMILEY-DEWAR VIKING SAND

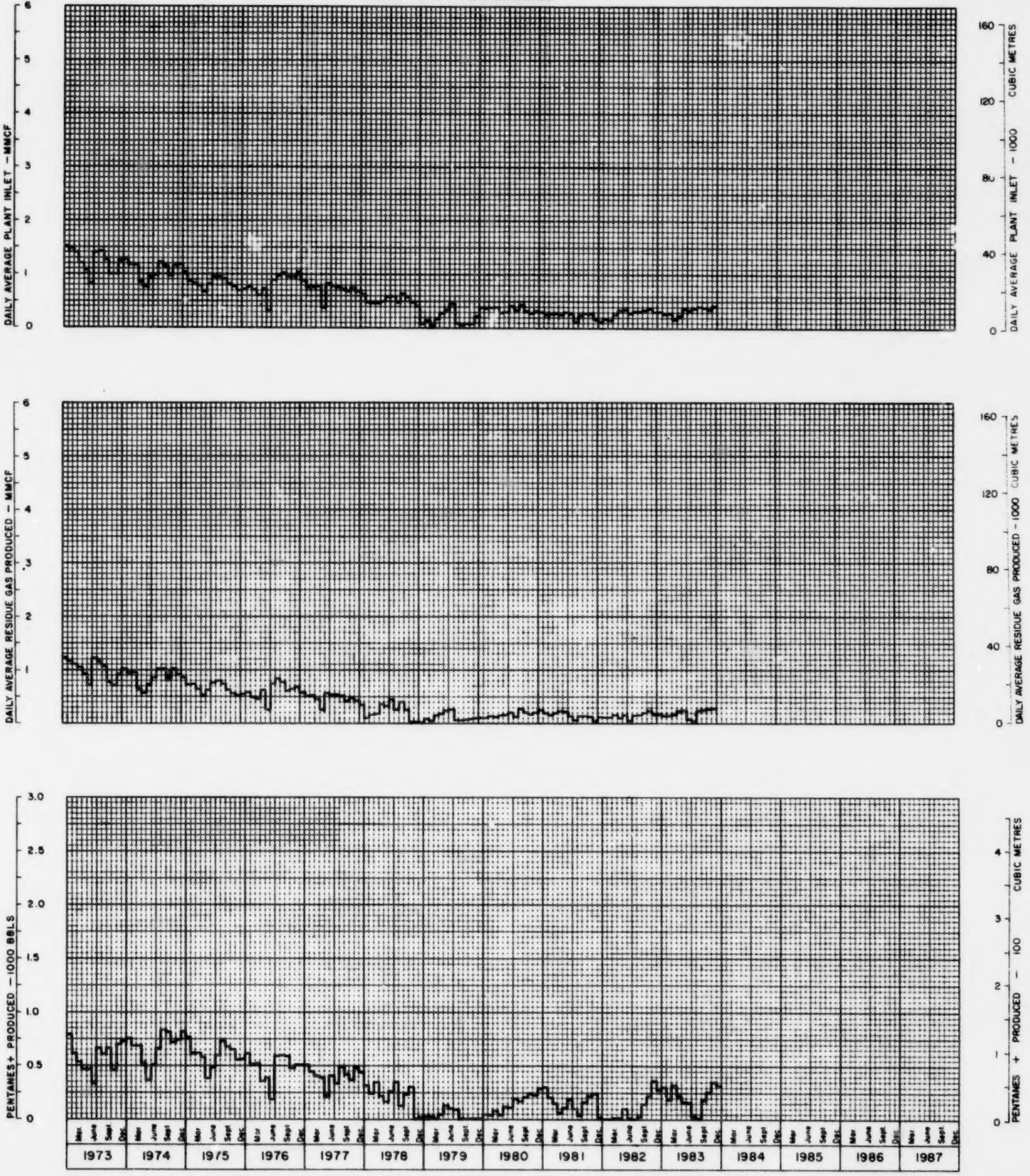
GAS PLANT PERFORMANCE



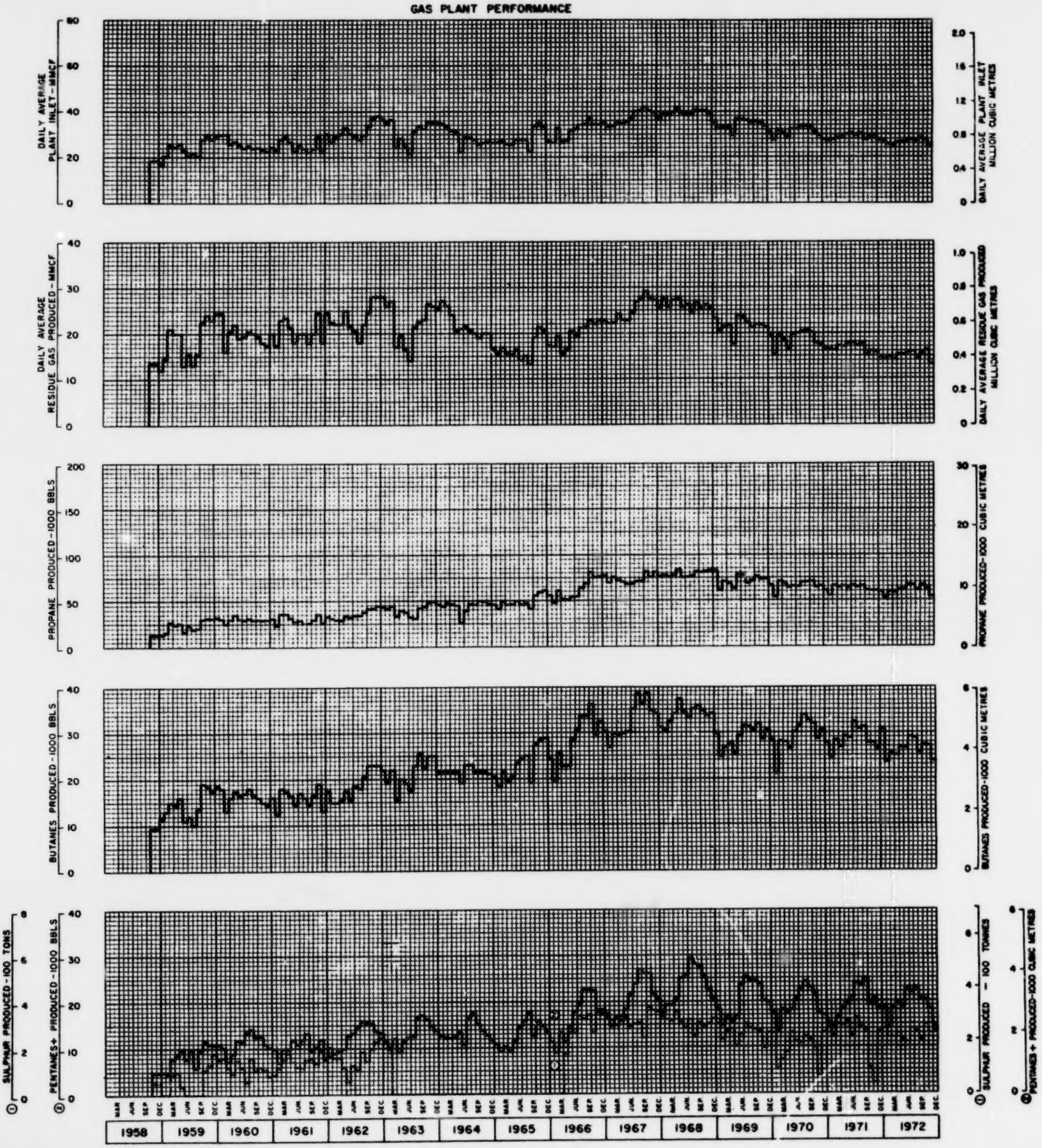
SMILEY GAS CONSERVATION PLANT

SMILEY-DEWAR VIKING SAND

GAS PLANT PERFORMANCE

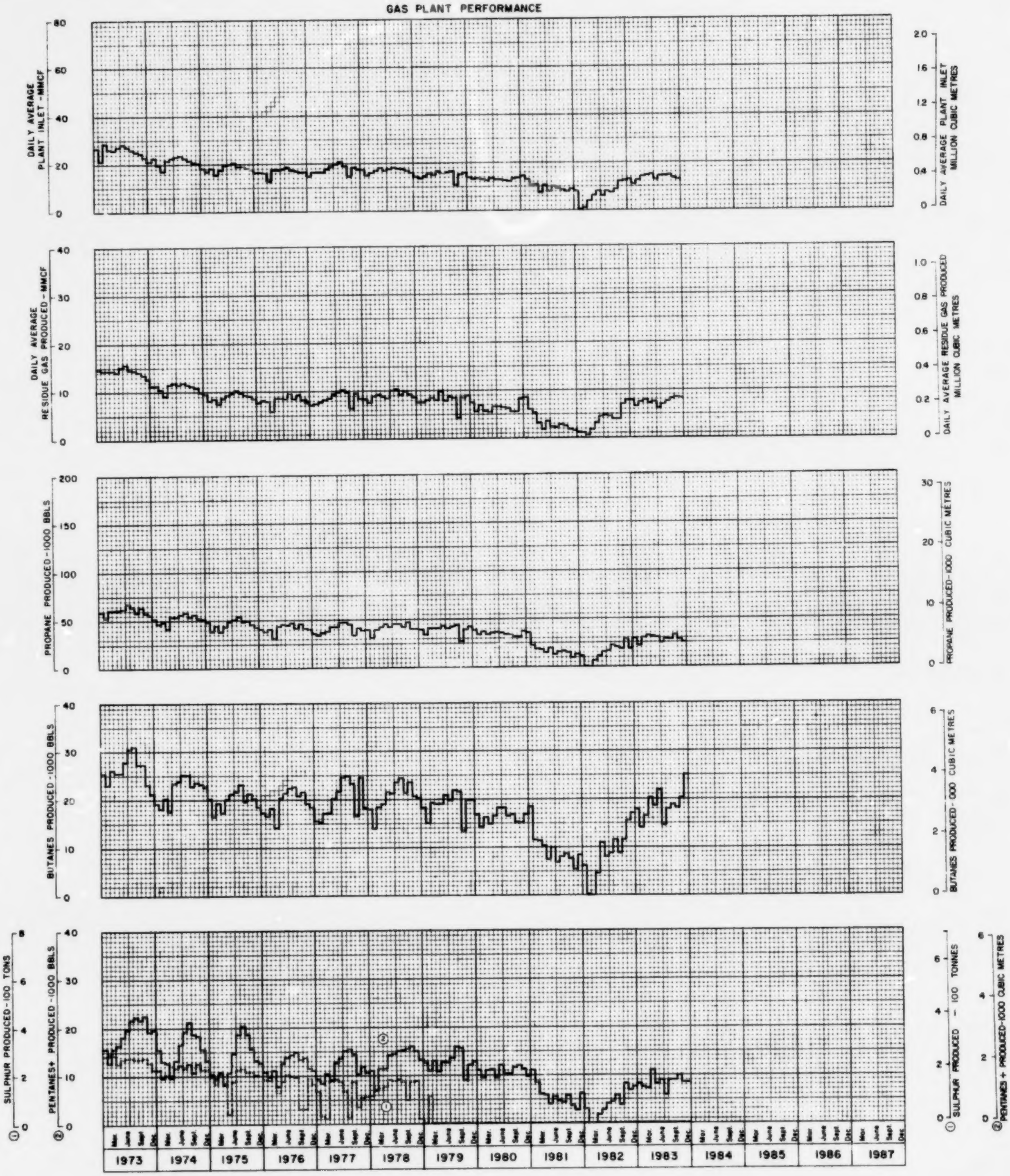


STEELMAN GAS PLANT



STEELMAN GAS PLANT

GAS PLANT PERFORMANCE



FORMATION WATER RESISTIVITY

RESISTIVITY OF FORMATION WATERS

20°C

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 1 RGE 30 W1	FROBISHER	1	0.059	0.059
TWP 2 RGE 30 W1	BLAIRMORE	1	1.000	1.000
	FROBISHER	1	0.057	0.057
	FROBISHER-ALIDA	11	0.047 - 0.060	0.054
TWP 3 RGE 30 W1	FROBISHER-ALIDA	3	0.044 - 0.064	0.054
	ALIDA	8	0.044 - 0.066	0.057
	TILSTON	1	0.063	0.063
	SOURIS VALLEY	2	0.055 - 0.066	0.061
	BIRDBEAR	1	0.057	0.057
TWP 4 RGE 30 W1	TILSTON	1	0.078	0.078
TWP 5 RGE 30 W1	TILSTON	1	0.170	0.170
TWP 6 RGE 30 W1	TILSTON	2	0.115 - 0.120	0.118
	SOURIS VALLEY	2	0.160	0.160
TWP 7 RGE 30 W1	SOURIS VALLEY	1	0.210	0.210
TWP 9 RGE 30 W1	SOURIS VALLEY	2	0.160 - 0.182	0.171
TWP 10 RGE 30 W1	BLAIRMORE	1	0.302	0.302
	SOURIS VALLEY	1	0.228	0.228
TWP 16 RGE 30 W1	BAKKEN	1	0.184	0.184
TWP 17 RGE 30 W1	INTERLAKE	2	0.033 - 0.035	0.034
	STONY MOUNTAIN-RED RIVER	1	0.045	0.045
	WINNIPEG	4	0.037 - 0.070	0.047
TWP 20 RGE 30 W1	BAKKEN	1	0.680	0.680
TWP 26 RGE 30 W1	DUPEROW	1	0.300	0.300
TWP 1 RGE 31 W1	BLAIRMORE	4	0.957 - 1.070	1.019
	MIDALE	6	0.063 - 0.078	0.074
	FROBISHER	9	0.041 - 0.056	0.048
TWP 2 RGE 31 W1	FROBISHER	5	0.050 - 0.075	0.064
	FROBISHER-ALIDA	2	0.052 - 0.066	0.059
	ALIDA	1	0.060	0.060
TWP 3 RGE 31 W1	FROBISHER	4	0.043 - 0.059	0.051
	FROBISHER-ALIDA	8	0.049 - 0.076	0.061
TWP 4 RGE 31 W1	FROBISHER-ALIDA	14	0.042 - 0.069	0.050
	ALIDA	18	0.053 - 0.078	0.066
	TILSTON	3	0.046 - 0.070	0.060
TWP 5 RGE 31 W1	FROBISHER-ALIDA	2	0.060 - 0.066	0.063
	ALIDA-TILSTON	2	0.048 - 0.059	0.054
	TILSTON	3	0.055 - 0.070	0.064
TWP 6 RGE 31 W1	TILSTON	2	0.095 - 0.097	0.096
TWP 7 RGE 31 W1	SOURIS VALLEY	3	0.110 - 0.120	0.113
TWP 9 RGE 31 W1	SOURIS VALLEY	1	0.152	0.152
TWP 12 RGE 31 W1	VIKING	1	0.400	0.400
	GRAVELBOURG	1	0.800	0.800
	SOURIS VALLEY	1	0.300	0.300
	BIRDBEAR	1	0.090	0.090
TWP 14 RGE 31 W1	SOURIS VALLEY	1	0.228	0.228
TWP 15 RGE 31 W1	BLAIRMORE	2	0.600 - 0.620	0.610
	GRAVELBOURG	1	0.340	0.340
	SOURIS VALLEY	1	0.058	0.058
TWP 16 RGE 31 W1	BAKKEN	7	0.200 - 0.235	0.220
TWP 17 RGE 31 W1	BAKKEN	1	0.182	0.182
TWP 24 RGE 31 W1	SOURIS VALLEY	1	0.104	0.104
TWP 25 RGE 31 W1	WINNIPEG	1	0.047	0.047
TWP 1 RGE 32 W1	MIDALE	5	0.068 - 0.076	0.072
	FROBISHER	10	0.044 - 0.060	0.051
TWP 2 RGE 32 W1	BLAIRMORE	3	0.950 - 0.970	0.958
	MIDALE	1	0.070	0.070
	FROBISHER	2	0.040 - 0.049	0.045
	FROBISHER-ALIDA	1	0.040	0.040
TWP 3 RGE 32 W1	FROBISHER	2	0.044 - 0.047	0.046
	BIRDBEAR	1	0.070	0.070
	DUPEROW	2	0.061 - 0.064	0.063
	SOURIS RIVER	1	0.058	0.058
	SILURIAN	2	0.066	0.066
	WINNIPEG	1	0.060	0.060
TWP 4 RGE 32 W1	BLAIRMORE	2	0.870 - 0.890	0.880
	JURASSIC	1	0.320	0.320
	GRAVELBOURG	1	0.200	0.200
	FROBISHER	1	0.047	0.047
	FROBISHER-ALIDA	2	0.047 - 0.048	0.048
	ALIDA	9	0.047 - 0.070	0.058
	SOURIS VALLEY	1	0.055	0.055
TWP 5 RGE 32 W1	FROBISHER-ALIDA	5	0.057 - 0.070	0.064
	ALIDA	12	0.047 - 0.067	0.058
	TILSTON	2	0.056 - 0.057	0.057
TWP 6 RGE 32 W1	TILSTON	5	0.052 - 0.077	0.060
	BIRDBEAR	1	0.060	0.060
	SOURIS RIVER	1	0.060	0.060
	WINNIPEGOSIS	1	0.060	0.060
	INTERLAKE	2	0.060	0.060
TWP 7 RGE 32 W1	TILSTON	7	0.047 - 0.092	0.075
	TILSTON-SOURIS VALLEY	1	0.076	0.076
TWP 8 RGE 32 W1	TILSTON	1	0.094	0.094
	SOURIS VALLEY	2	0.100 - 0.102	0.101
	INTERLAKE	2	0.046 - 0.047	0.047
TWP 9 RGE 32 W1	SOURIS VALLEY	3	0.131 - 0.180	0.160
TWP 16 RGE 32 W1	BAKKEN	1	0.260	0.260
TWP 17 RGE 32 W1	BAKKEN	3	0.187 - 0.310	0.286
	WINNIPEGOSIS	1	0.053	0.053

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 17 RGE 32 W1	INTERLAKE	1	0.052	0.052
	WINNIPEG	1	0.052	0.052
TWP 29 RGE 32 W1	SOURIS RIVER	1	0.150	0.150
	SOURIS RIVER-DAWSON BAY	1	0.093	0.093
	DAWSON BAY	2	0.078 - 0.094	0.086
TWP 1 RGE 33 W1	MIDALE	2	0.077 - 0.078	0.078
	FROBISHER	6	0.043 - 0.059	0.050
TWP 2 RGE 33 W1	BLAIRMORE	1	0.843	0.843
	MIDALE	22	0.051 - 0.094	0.078
	FROBISHER-ALIDA	4	0.047 - 0.060	0.054
TWP 3 RGE 33 W1	RAVENSCRAG	1	2.400	2.400
	FROBISHER	3	0.049 - 0.061	0.054
	FROBISHER-ALIDA	4	0.044 - 0.058	0.052
TWP 4 RGE 33 W1	FROBISHER	8	0.047 - 0.052	0.049
	FROBISHER-ALIDA	13	0.049 - 0.080	0.063
TWP 5 RGE 33 W1	BLAIRMORE	2	0.780 - 0.920	0.850
	RIERDON	2	0.270 - 0.370	0.320
	GRAVELBOURG	1	0.320	0.320
	KISBEY	1	0.070	0.070
	FROBISHER-ALIDA	7	0.047 - 0.070	0.059
	ALIDA	11	0.046 - 0.068	0.054
	ALIDA-TILSTON	1	0.055	0.055
	BIRDBEAR	1	0.050	0.050
TWP 6 RGE 33 W1	FROBISHER-ALIDA	6	0.055 - 0.075	0.063
	ALIDA	11	0.047 - 0.060	0.054
	TILSTON	2	0.053 - 0.057	0.055
TWP 7 RGE 33 W1	TILSTON	2	0.051 - 0.062	0.057
TWP 8 RGE 33 W1	TILSTON	4	0.086 - 0.124	0.110
	TILSTON-SOURIS VALLEY	4	0.084 - 0.108	0.094
	SOURIS VALLEY	2	0.105 - 0.158	0.132
	WINNIPEGOSIS	1	0.056	0.056
TWP 9 RGE 33 W1	TILSTON	9	0.093 - 0.131	0.114
	TILSTON-SOURIS VALLEY	5	0.125 - 0.148	0.136
	SOURIS VALLEY	13	0.105 - 0.148	0.131
TWP 14 RGE 33 W1	BLAIRMORE	1	0.302	0.302
	JURASSIC	1	0.316	0.316
TWP 20 RGE 33 W1	BLAIRMORE	2	0.240 - 0.265	0.253
	SOURIS RIVER	1	0.049	0.049
TWP 26 RGE 33 W1	WINNIPEG	1	0.048	0.048
TWP 1 RGE 34 W1	MIDALE	4	0.069 - 0.070	0.070
	FROBISHER	2	0.045	0.045
TWP 2 RGE 34 W1	MIDALE	34	0.045 - 0.092	0.069
	FROBISHER	11	0.042 - 0.057	0.048
	FROBISHER-ALIDA	8	0.044 - 0.054	0.049
TWP 3 RGE 34 W1	FROBISHER	7	0.039 - 0.060	0.050
	FROBISHER-ALIDA	4	0.040 - 0.045	0.044
TWP 4 RGE 34 W1	BLAIRMORE	2	0.690 - 0.750	0.720
	FROBISHER	5	0.046 - 0.052	0.048
	FROBISHER-ALIDA	11	0.040 - 0.050	0.046
TWP 5 RGE 34 W1	FROBISHER	9	0.046 - 0.064	0.053
	FROBISHER-ALIDA	10	0.045 - 0.070	0.054
TWP 6 RGE 34 W1	FROBISHER-ALIDA	8	0.048 - 0.060	0.052
	ALIDA	1	0.056	0.056
TWP 9 RGE 34 W1	TILSTON	2	0.092 - 0.159	0.126
	TILSTON-SOURIS VALLEY	1	0.098	0.098
	SOURIS VALLEY	1	0.086	0.086
TWP 11 RGE 34 W1	MADISON (UNDIFF)	1	0.240	0.240
	BIRDBEAR	1	0.071	0.071
TWP 2 RGE 1 W2	RATCLIFFE	1	0.060	0.060
	MIDALE	6	0.051 - 0.075	0.066
	FROBISHER	2	0.058 - 0.059	0.059
	FROBISHER-ALIDA	2	0.040 - 0.049	0.045
TWP 3 RGE 1 W2	BLAIRMORE	1	0.704	0.704
	MIDALE	23	0.046 - 0.077	0.064
	FROBISHER	12	0.040 - 0.054	0.046
	FROBISHER-ALIDA	9	0.044 - 0.052	0.049
TWP 4 RGE 1 W2	FROBISHER	21	0.040 - 0.055	0.049
	FROBISHER-ALIDA	12	0.041 - 0.051	0.045
TWP 5 RGE 1 W2	BLAIRMORE	2	0.790 - 0.840	0.815
	RIERDON	3	0.300 - 0.350	0.333
	FROBISHER	1	0.048	0.048
	FROBISHER-ALIDA	4	0.046 - 0.060	0.053
	ALIDA	1	0.049	0.049
	BIRDBEAR	1	0.048	0.048
TWP 6 RGE 1 W2	FROBISHER-ALIDA	22	0.045 - 0.058	0.050
	ALIDA	1	0.048	0.048
TWP 7 RGE 1 W2	ALIDA	1	0.052	0.052
	TILSTON	3	0.055 - 0.060	0.058
TWP 9 RGE 1 W2	TILSTON	11	0.072 - 0.094	0.082
	SOURIS VALLEY	1	0.102	0.102
TWP 10 RGE 1 W2	TILSTON	3	0.081 - 0.086	0.083
	SOURIS VALLEY	5	0.082 - 0.140	0.096
TWP 11 RGE 1 W2	SOURIS VALLEY	2	0.190 - 0.220	0.205
TWP 14 RGE 1 W2	BLAIRMORE	2	0.390 - 0.630	0.510
	JURASSIC	12	0.220 - 0.560	0.380
TWP 15 RGE 1 W2	GRAVELBOURG	1	0.310	0.310
TWP 16 RGE 1 W2	BLAIRMORE	1	0.490	0.490
	JURASSIC	1	0.290	0.290
TWP 1 RGE 2 W2	RATCLIFFE	1	0.047	0.047
	MIDALE	1	0.044	0.044

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 1 RGE 2 W2	FROBISHER	4	0,034 - 0,052	0,044
	FROBISHER-ALIDA	2	0,045	0,045
	BIRDBEAR	1	0,052	0,052
TWP 2 RGE 2 W2	RATCLIFFE	2	0,051 - 0,060	0,056
	FROBISHER	1	0,054	0,054
	INTERLAKE	1	0,048	0,048
	RED RIVER	1	0,047	0,047
	DEADWOOD	1	0,046	0,046
TWP 3 RGE 2 W2	BLAIRMORE	7	0,414 - 0,700	0,567
	MIDALE	30	0,045 - 0,070	0,057
	FROBISHER	10	0,044 - 0,060	0,051
TWP 4 RGE 2 W2	FROBISHER	8	0,052 - 0,062	0,055
TWP 5 RGE 2 W2	FROBISHER	6	0,051 - 0,062	0,058
	FROBISHER-ALIDA	2	0,047 - 0,051	0,049
TWP 6 RGE 2 W2	FROBISHER	3	0,046 - 0,053	0,048
	FROBISHER-ALIDA	5	0,047 - 0,061	0,054
	KISBEY	1	0,042	0,042
	ALIDA	2	0,046 - 0,056	0,051
TWP 7 RGE 2 W2	ALIDA	2	0,053 - 0,054	0,054
	ALIDA-TILSTON	1	0,050	0,050
TWP 8 RGE 2 W2	TILSTON	1	0,053	0,053
TWP 9 RGE 2 W2	TILSTON	1	0,067	0,067
	SOURIS VALLEY	1	0,068	0,068
TWP 10 RGE 2 W2	TILSTON	7	0,083 - 0,116	0,092
	SOURIS VALLEY	3	0,083 - 0,164	0,113
	BIRDBEAR	1	0,053	0,053
TWP 11 RGE 2 W2	SOURIS VALLEY	1	0,205	0,205
	BIRDBEAR	1	0,077	0,077
TWP 12 RGE 2 W2	WINNIPEGOSIS	1	0,047	0,047
TWP 18 RGE 2 W2	JURASSIC	1	0,205	0,205
TWP 21 RGE 2 W2	RED RIVER	1	0,037	0,037
	WINNIPEG	1	0,039	0,039
TWP 1 RGE 3 W2	MIDALE	5	0,044 - 0,047	0,045
	FROBISHER	1	0,044	0,044
	FROBISHER-ALIDA	1	0,052	0.052
TWP 2 RGE 3 W2	BLAIRMORE	2	0.700 - 0,840	0,770
	RATCLIFFE	1	0,070	0,070
	MIDALE	1	0,049	0,049
	FROBISHER	5	0,035 - 0,047	0,042
TWP 3 RGE 3 W2	BLAIRMORE	1	0,398	0,398
	MIDALE	9	0,053 - 0,067	0,061
	FROBISHER	4	0,046 - 0,062	0,055
	FROBISHER-ALIDA	1	0,058	0,058
TWP 4 RGE 3 W2	MIDALE	1	0,046	0,046
	FROBISHER	3	0,044 - 0,060	0,053
	FROBISHER-ALIDA	1	0,055	0,055
TWP 5 RGE 3 W2	FROBISHER	6	0,050 - 0,060	0,057
TWP 5 RGE 3 W2	FROBISHER-ALIDA	5	0,040 - 0,060	0,048
	TILSTON	1	0,060	0,060
	BIRDBEAR	1	0,060	0,060
	STONY MOUNTAIN	1	0,060	0,060
TWP 6 RGE 3 W2	BLAIRMORE	2	0,354 - 0,550	0,452
	FROBISHER	2	0,052 - 0,066	0,059
	FROBISHER-ALIDA	5	0,049 - 0,060	0,055
	ALIDA	1	0,060	0,060
TWP 8 RGE 3 W2	LOWER WATROUS	1	0,048	0,048
	ALIDA	3	0,051 - 0,064	0,058
	ALIDA-TILSTON	1	0,062	0,062
TWP 9 RGE 3 W2	TILSTON	4	0,057 - 0,092	0,066
TWP 10 RGE 3 W2	TILSTON	3	0,070 - 0,116	0,090
TWP 11 RGE 3 W2	SOURIS VALLEY	1	0,160	0,160
TWP 17 RGE 3 W2	BLAIRMORE	1	0,297	0,297
TWP 18 RGE 3 W2	JURASSIC	3	0,214 - 0,332	0,282
TWP 19 RGE 3 W2	SOURIS VALLEY	1	0,136	0,136
	DUPEROW	1	0,085	0,085
TWP 22 RGE 3 W2	JURASSIC	1	0,240	0,240
	SOURIS VALLEY	1	0,150	0,150
	DUPEROW	1	0,068	0,068
	SOURIS RIVER	1	0,055	0,055
	DAWSON BAY	1	0,060	0,060
TWP 25 RGE 3 W2	BIRDBEAR	1	0,188	0,188
TWP 1 RGE 4 W2	BLAIRMORE	1	0,294	0,294
	MIDALE	3	0,042 - 0,045	0,043
	FROBISHER	5	0,040 - 0,070	0,051
	FROBISHER-ALIDA	1	0,052	0,052
TWP 2 RGE 4 W2	BLAIRMORE	2	0,390 - 0,570	0,480
	GRAVELBOURG	1	0,188	0,188
	POPLAR	1	0,070	0,070
	MIDALE	4	0,040 - 0,048	0,045
	FROBISHER	8	0,042 - 0,052	0,045
	FROBISHER-ALIDA	1	0,049	0,049
	BIRDBEAR	1	0,046	0,046
	DUPEROW	1	0,074	0,074
	WINNIPEGOSIS	1	0,046	0,046
	INTERLAKE	1	0,046	0,046
	STONY MOUNTAIN	1	0,048	0,048
	WINNIPEG	1	0,048	0,048
TWP 3 RGE 4 W2	VIKING	1	0,450	0,450
	BLAIRMORE	6	0,325 - 0,920	0,497
	JURASSIC	2	0,410 - 0,440	0,425
	MIDALE	45	0,041 - 0,082	0,050
	FROBISHER	5	0,048 - 0,050	0,049
	FROBISHER-ALIDA	3	0,044 - 0,060	0,053
	BIRDBEAR	1	0,061	0,061

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 3 RGE 4 W2	DUPEROW	2	0.049	0.049
	INTERLAKE	1	0.044	0.044
	RED RIVER	1	0.049	0.049
	DEADWOOD	2	0.046	0.046
TWP 4 RGE 4 W2	BLAIRMORE	2	0.321 - 0.380	0.351
	MIDALE	12	0.050 - 0.063	0.054
	FROBISHER	8	0.047 - 0.055	0.050
	FROBISHER-ALIDA	2	0.044 - 0.070	0.057
	BIRDBEAR	1	0.045	0.045
TWP 5 RGE 4 W2	MIDALE	12	0.046 - 0.086	0.062
	FROBISHER	2	0.056 - 0.063	0.060
	FROBISHER-ALIDA	1	0.046	0.046
TWP 6 RGE 4 W2	FROBISHER	3	0.052 - 0.058	0.055
	FROBISHER-ALIDA	3	0.053 - 0.061	0.057
TWP 7 RGE 4 W2	FROBISHER	2	0.052	0.052
	FROBISHER-ALIDA	4	0.044 - 0.073	0.054
	KISBEY	1	0.050	0.050
	ALIDA	1	0.052	0.052
TWP 8 RGE 4 W2	FROBISHER-ALIDA	1	0.052	0.052
	BIRDBEAR	1	0.056	0.056
TWP 9 RGE 4 W2	ALIDA	2	0.053 - 0.062	0.058
TWP 10 RGE 4 W2	ALIDA-TILSTON	1	0.063	0.063
	TILSTON	2	0.073 - 0.075	0.074
TWP 11 RGE 4 W2	TILSTON	8	0.093 - 0.148	0.125
TWP 12 RGE 4 W2	TILSTON	1	0.169	0.169
TWP 16 RGE 4 W2	JURASSIC	1	0.126	0.126
TWP 19 RGE 4 W2	SOURIS VALLEY	1	0.093	0.093
TWP 1 RGE 5 W2	MIDALE	5	0.043 - 0.054	0.048
	FROBISHER	1	0.041	0.041
	FROBISHER-ALIDA	3	0.047 - 0.056	0.051
TWP 2 RGE 5 W2	MIDALE	4	0.045 - 0.053	0.049
	FROBISHER	2	0.041 - 0.046	0.044
TWP 3 RGE 5 W2	BLAIRMORE	2	0.345 - 0.358	0.352
	MIDALE	28	0.045 - 0.054	0.049
	FROBISHER	9	0.043 - 0.068	0.053
TWP 4 RGE 5 W2	BLAIRMORE	9	0.323 - 0.519	0.390
	JURASSIC	1	0.390	0.390
	RATCLIFFE	1	0.078	0.078
	MIDALE	57	0.046 - 0.069	0.058
	FROBISHER	16	0.044 - 0.065	0.054
	FROBISHER-ALIDA	3	0.048 - 0.052	0.050
	ALIDA	1	0.055	0.055
	BIRDBEAR	1	0.045	0.045
	SOURIS RIVER	1	0.043	0.043
	WINNIPEGOSIS	1	0.044	0.044
TWP 5 RGE 5 W2	MIDALE	22	0.058 - 0.097	0.072
	FROBISHER	8	0.046 - 0.064	0.055
TWP 6 RGE 5 W2	FROBISHER	11	0.054 - 0.077	0.060
	FROBISHER-ALIDA	2	0.048 - 0.055	0.052
TWP 7 RGE 5 W2	FROBISHER	2	0.055 - 0.062	0.059
	FROBISHER-ALIDA	2	0.053 - 0.056	0.055
	ALIDA	3	0.071 - 0.088	0.078
	TILSTON	1	0.068	0.068
TWP 8 RGE 5 W2	BLAIRMORE	1	0.260	0.260
TWP 9 RGE 5 W2	ALIDA	2	0.057 - 0.075	0.066
TWP 10 RGE 5 W2	FROBISHER	1	0.066	0.066
	ALIDA	1	0.066	0.066
	BIRDBEAR	1	0.054	0.054
TWP 11 RGE 5 W2	TILSTON	4	0.120 - 0.207	0.142
TWP 12 RGE 5 W2	SOURIS VALLEY	1	0.158	0.158
TWP 24 RGE 5 W2	SOURIS VALLEY	1	0.139	0.139
TWP 26 RGE 5 W2	TORQUAY	1	0.150	0.150
TWP 27 RGE 5 W2	VIKING	1	0.910	0.910
TWP 1 RGE 6 W2	FROBISHER	1	0.047	0.047
TWP 2 RGE 6 W2	FROBISHER-ALIDA	1	0.080	0.080
	DUPEROW	2	0.054 - 0.136	0.095
TWP 3 RGE 6 W2	POPLAR	1	0.060	0.060
	MIDALE	1	0.060	0.060
	FROBISHER	1	0.060	0.060
TWP 4 RGE 6 W2	BLAIRMORE	3	0.251 - 0.266	0.256
	MIDALE	28	0.047 - 0.094	0.070
	FROBISHER	52	0.031 - 0.087	0.048
TWP 5 RGE 6 W2	VIKING	1	0.375	0.375
	BLAIRMORE	4	0.120 - 0.620	0.375
	JURASSIC	2	0.275 - 0.320	0.298
	RATCLIFFE	1	0.091	0.091
	MIDALE	16	0.054 - 0.094	0.074
	FROBISHER	6	0.048 - 0.070	0.060
	TILSTON	1	0.062	0.062
TWP 6 RGE 6 W2	MIDALE	1	0.062	0.062
	BIRDBEAR	2	0.054 - 0.056	0.055
	WINNIPEGOSIS	1	0.053	0.053
TWP 7 RGE 6 W2	FROBISHER	3	0.055 - 0.069	0.062
	ALIDA	1	0.057	0.057
	BIRDBEAR	3	0.047 - 0.058	0.051
TWP 9 RGE 6 W2	FROBISHER-ALIDA	6	0.046 - 0.060	0.055
	ALIDA	1	0.081	0.081
	BIRDBEAR	1	0.060	0.060
TWP 10 RGE 6 W2	TILSTON	1	0.172	0.172
TWP 11 RGE 6 W2	TILSTON	1	0.173	0.173
TWP 12 RGE 6 W2	TILSTON	4	0.110 - 0.194	0.141
TWP 16 RGE 6 W2	BLAIRMORE	2	0.197 - 0.300	0.249
TWP 19 RGE 6 W2	JURASSIC	1	0.180	0.180
TWP 22 RGE 6 W2	BLAIRMORE	1	0.121	0.121

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 23 RGE 6 W2	BLAIRMORE	1	0.117	0.117
TWP 28 RGE 6 W2	DUPEROW	1	0.150	0.150
TWP 1 RGE 7 W2	POPLAR	1	0.050	0.050
	MIDALE	1	0.050	0.050
TWP 3 RGE 7 W2	VIKING	1	0.272	0.272
	POPLAR	1	0.057	0.057
	MIDALE	1	0.050	0.050
	FROBISHER-ALIDA	1	0.056	0.056
	BIRDBEAR	1	0.046	0.046
TWP 4 RGE 7 W2	MIDALE	13	0.043 - 0.068	0.054
	FROBISHER	6	0.049 - 0.057	0.051
TWP 5 RGE 7 W2	FROBISHER	2	0.061	0.061
TWP 6 RGF 7 W2	FROBISHER	9	0.055 - 0.075	0.065
TWP 7 RGE 7 W2	FROBISHER	2	0.054 - 0.056	0.055
	FROBISHER-ALIDA	1	0.059	0.059
TWP 8 RGE 7 W2	FROBISHER	1	0.065	0.065
TWP 9 RGE 7 W2	BLAIRMORE	1	0.153	0.153
	FROBISHER-ALIDA	6	0.046 - 0.056	0.053
	ALIDA	4	0.087 - 0.116	0.098
TWP 10 RGE 7 W2	FROBISHER-ALIDA	5	0.100 - 0.120	0.108
	ALIDA	5	0.078 - 0.096	0.086
	TILSTON	5	0.095 - 0.153	0.112
	BIRDBEAR	1	0.078	0.078
TWP 11 RGE 7 W2	ALIDA	1	0.090	0.090
	TILSTON	3	0.112 - 0.128	0.118
TWP 13 RGE 7 W2	TILSTON	1	0.194	0.194
TWP 16 RGE 7 W2	JURASSIC	2	0.175 - 0.183	0.179
	SOURIS VALLEY	1	0.478	0.478
TWP 19 RGE 7 W2	VIKING	1	0.570	0.570
TWP 21 RGE 7 W2	JURASSIC	1	0.102	0.102
TWP 27 RGE 7 W2	DAWSON BAY	1	0.061	0.061
TWP 29 RGE 7 W2	VIKING	1	0.320	0.320
	INTERLAKE	1	0.056	0.056
TWP 1 RGE 8 W2	FROBISHER	1	0.052	0.052
TWP 2 RGE 8 W2	MIDALE	1	0.062	0.062
TWP 3 RGE 8 W2	POPLAR	1	0.060	0.060
	MIDALE	1	0.060	0.060
	DUPEROW	2	0.060	0.060
TWP 4 RGE 8 W2	MIDALE	4	0.051 - 0.082	0.064
	FROBISHER	3	0.061 - 0.085	0.072
TWP 5 RGE 8 W2	FROBISHER	2	0.055 - 0.073	0.064
TWP 6 RGE 8 W2	BLAIRMORE	1	0.320	0.320
	MIDALE	7	0.100 - 0.180	0.126
	FRORISHER	2	0.081 - 0.094	0.088
	FROBISHER-ALIDA	1	0.065	0.065
TWP 7 RGE 8 W2	FROBISHER	4	0.057 - 0.069	0.064
	FROBISHER-ALIDA	2	0.059 - 0.063	0.061
TWP 7 RGE 8 W2	BIRDBEAR	2	0.046 - 0.050	0.048
TWP 8 RGE 8 W2	FROBISHER	4	0.058 - 0.065	0.061
	FROBISHER-ALIDA	5	0.055 - 0.063	0.060
	ALIDA	1	0.072	0.072
	DUPEROW	1	0.049	0.049
	INTERLAKE	1	0.060	0.060
TWP 9 RGE 8 W2	FROBISHER-ALIDA	3	0.112 - 0.120	0.117
	ALIDA	1	0.145	0.145
TWP 10 RGE 8 W2	FROBISHER-ALIDA	8	0.103 - 0.151	0.116
	ALIDA	8	0.081 - 0.165	0.116
TWP 12 RGE 8 W2	TILSTON	1	0.215	0.215
	BIRDBEAR	1	0.140	0.140
	DUPEROW	1	0.157	0.157
	RED RIVER	1	0.043	0.043
TWP 14 RGE 8 W2	SOURIS VALLEY	1	0.230	0.230
	BIRDBEAR	1	0.120	0.120
	DUPEROW	1	0.070	0.070
TWP 16 RGE 8 W2	SOURIS VALLEY	1	0.350	0.350
TWP 2 RGE 9 W2	MIDALE-FROBISHER	1	0.050	0.050
	FROBISHER	1	0.049	0.049
TWP 4 RGE 9 W2	MIDALE	3	0.041 - 0.055	0.046
	FROBISHER-ALIDA	1	0.055	0.055
TWP 5 RGE 9 W2	FROBISHER	1	0.070	0.070
TWP 6 RGE 9 W2	BLAIRMORE	1	0.356	0.356
	MIDALE	24	0.063 - 0.185	0.109
	FROBISHER	4	0.058 - 0.064	0.061
	FRORISHER-ALIDA	2	0.062 - 0.070	0.066
TWP 7 RGE 9 W2	BLAIRMORE	1	0.347	0.347
	MIDALE	2	0.064 - 0.069	0.067
	FROBISHER-ALIDA	1	0.055	0.055
TWP 9 RGE 9 W2	SOURIS VALLEY	1	0.195	0.195
TWP 10 RGE 9 W2	FROBISHER-ALIDA	2	0.172 - 0.200	0.186
	DUPEROW	1	0.059	0.059
	WINNIPEGOSIS	1	0.050	0.050
	INTERLAKE	1	0.051	0.051
	RED RIVER	1	0.048	0.048
TWP 20 RGE 9 W2	VIKING	1	0.088	0.088
	JURASSIC	1	0.077	0.077
TWP 21 RGE 9 W2	JURASSIC	1	0.096	0.096
TWP 22 RGE 9 W2	JURASSIC	1	0.118	0.118
TWP 26 RGE 9 W2	VIKING	1	0.670	0.670
	SOURIS VALLEY	1	0.110	0.110
	BIRDBEAR	1	0.093	0.093
TWP 33 RGE 9 W2	DUPEROW	2	0.080 - 0.081	0.081
TWP 46 RGE 9 W2	DAWSON BAY	1	1.600	1.600
	DEADWOOD	1	0.080	0.080
TWP 2 RGF 10 W2	MIDALE-FROBISHER	1	0.050	0.050

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 2 RGE 10 W2	FROBISHER	1	0.049	0.049
TWP 4 RGE 10 W2	FROBISHER	1	0.065	0.065
TWP 5 RGE 10 W2	BLAIRMORE	1	0.410	0.410
	FROBISHER	1	0.070	0.070
TWP 6 RGE 10 W2	BLAIRMORE	3	0.417 - 0.490	0.441
	MIDALE	92	0.058 - 0.093	0.074
	FROBISHER	10	0.056 - 0.087	0.072
	FROBISHER-ALIDA	1	0.064	0.064
	BIRDBEAR	1	0.051	0.051
	DUPEROW	1	0.049	0.049
	WINNIPEGOSIS	1	0.048	0.048
TWP 7 RGE 10 W2	MIDALE	8	0.064 - 0.118	0.097
	FROBISHER	17	0.057 - 0.079	0.067
	FROBISHER-ALIDA	1	0.058	0.058
TWP 8 RGE 10 W2	FROBISHER	4	0.070 - 0.181	0.122
	BIRDBEAR	1	0.056	0.056
TWP 9 RGE 10 W2	FROBISHER	1	0.412	0.412
TWP 10 RGE 10 W2	FROBISHER-ALIDA	1	0.157	0.157
	ALIDA	1	0.174	0.174
TWP 11 RGE 10 W2	ALIDA	1	0.214	0.214
TWP 14 RGE 10 W2	TILSTON	1	0.190	0.190
TWP 20 RGE 10 W2	JURASSIC	1	0.104	0.104
TWP 24 RGE 10 W2	BLAIRMORE	2	0.100 - 0.120	0.110
	BIRDBEAR	1	0.084	0.084
	SOURIS RIVER	1	0.049	0.049
TWP 34 RGE 10 W2	BLAIRMORE	1	0.182	0.182
	DUPEROW	2	0.158 - 0.168	0.163
	WINNIPEG	1	0.066	0.066
TWP 2 RGE 11 W2	MIDALE	1	0.060	0.060
TWP 3 RGE 11 W2	MIDALE	3	0.050 - 0.054	0.051
	MIDALE-FROBISHER	1	0.068	0.068
	FROBISHER	1	0.065	0.065
TWP 4 RGE 11 W2	MIDALE	1	0.080	0.080
	FROBISHER	1	0.050	0.050
	INTERLAKE	1	0.042	0.042
	ORDOVICIAN	1	0.043	0.043
TWP 5 RGE 11 W2	MIDALE	3	0.058 - 0.074	0.069
	FROBISHER	1	0.064	0.064
TWP 6 RGE 11 W2	BLAIRMORE	2	0.370 - 0.427	0.399
	MIDALE	78	0.051 - 0.094	0.070
	FROBISHER	18	0.030 - 0.078	0.057
TWP 7 RGE 11 W2	FROBISHER	13	0.065 - 0.161	0.100
	BAKKEN	3	0.044 - 0.057	0.050
TWP 8 RGE 11 W2	FROBISHER	12	0.088 - 0.300	0.187
	FROBISHER-ALIDA	2	0.148 - 0.150	0.149
TWP 9 RGE 11 W2	BIRDBEAR	1	0.112	0.112
TWP 10 RGE 11 W2	ALIDA	3	0.227 - 0.257	0.240
TWP 13 RGE 11 W2	BAKKEN	1	0.250	0.250
TWP 23 RGE 11 W2	JURASSIC	1	0.080	0.080
TWP 3 RGE 12 W2	MIDALE	2	0.058 - 0.069	0.064
	FROBISHER	1	0.059	0.059
TWP 4 RGE 12 W2	VIKING	1	0.820	0.820
	FROBISHER	1	0.062	0.062
TWP 5 RGE 12 W2	MIDALE	11	0.056 - 0.078	0.068
	FROBISHER	2	0.063 - 0.073	0.068
	FROBISHER-ALIDA	1	0.062	0.062
TWP 6 RGE 12 W2	MIDALE	28	0.060 - 0.100	0.074
	FROBISHER	1	0.054	0.054
TWP 7 RGE 12 W2	MIDALE	4	0.061 - 0.086	0.076
	FROBISHER	8	0.172 - 0.335	0.223
TWP 8 RGE 12 W2	FROBISHER	4	0.208 - 0.244	0.224
TWP 9 RGE 12 W2	FROBISHER	1	0.230	0.230
TWP 10 RGE 12 W2	FROBISHER	2	0.210 - 0.365	0.288
	ALIDA	1	0.233	0.233
TWP 11 RGE 12 W2	BLAIRMORE	1	0.770	0.770
	ALIDA	1	0.340	0.340
TWP 13 RGE 12 W2	TILSTON	2	0.270 - 0.312	0.291
TWP 14 RGE 12 W2	BIRDBEAR	1	0.205	0.205
TWP 20 RGE 12 W2	JURASSIC	1	0.082	0.082
TWP 21 RGE 12 W2	BLAIRMORE	1	0.084	0.084
TWP 24 RGE 12 W2	BIRDBEAR	1	0.130	0.130
TWP 30 RGE 12 W2	DAWSON BAY	1	0.049	0.049
TWP 32 RGE 12 W2	DAWSON BAY	1	0.082	0.082
	WINNIPEGOSIS	1	0.055	0.055
	INTERLAKE	1	0.063	0.063
TWP 1 RGE 13 W2	RATCLIFFE	1	0.067	0.067
TWP 2 RGE 13 W2	ALIDA	1	0.064	0.064
	DUPEROW	1	0.043	0.043
TWP 3 RGE 13 W2	MIDALE	5	0.054 - 0.068	0.059
	FROBISHER	2	0.060 - 0.066	0.063
	RED RIVER	1	0.044	0.044
TWP 5 RGE 13 W2	MIDALE	9	0.062 - 0.078	0.067
	MIDALE-FROBISHER	1	0.142	0.142
TWP 6 RGE 13 W2	BLAIRMORE	7	0.360 - 0.514	0.422
	MIDALE	32	0.057 - 0.159	0.095
	MIDALE-FROBISHER	7	0.070 - 0.144	0.107
	FROBISHER	7	0.063 - 0.251	0.140
	FROBISHER-ALIDA	2	0.066 - 0.250	0.158
TWP 7 RGE 13 W2	VIKING	1	0.850	0.850
	BLAIRMORE	1	0.880	0.880
	GRAVELBOURG	1	0.280	0.280
	MIDALE	13	0.095 - 0.180	0.131
	FROBISHER	2	0.200 - 0.210	0.205
	FROBISHER-ALIDA	3	0.230 - 0.390	0.290

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 9 RGE 13 W2	FROBISHER-ALIDA	1	0.218	0.218
	BIRDBEAR	1	0.116	0.116
TWP 10 RGE 13 W2	FROBISHER-ALIDA	1	0.205	0.205
TWP 13 RGE 13 W2	TILSTON	1	0.230	0.230
TWP 28 RGE 13 W2	BIRDBEAR	1	0.220	0.220
TWP 45 RGE 13 W2	DEADWOOD	1	0.066	0.066
TWP 52 RGE 13 W2	WINNIPEG	1	2.560	2.560
TWP 2 RGE 14 W2	VIKING	1	0.740	0.740
	BLAIRMORE	1	0.850	0.850
	RATCLIFFE	1	0.062 - 0.067	0.064
	RATCLIFFE-MIDALE	1	0.068	0.068
TWP 3 RGE 14 W2	VIKING	1	1.120	1.120
	RATCLIFFE-MIDALE	1	0.089	0.089
	FROBISHER-ALIDA	1	0.058	0.058
TWP 4 RGE 14 W2	BAKKEN	1	0.050	0.050
	WINNIPEGOSIS	1	0.053	0.053
TWP 5 RGE 14 W2	MIDALE	8	0.060 - 0.073	0.066
	FROBISHER	3	0.060 - 0.092	0.071
TWP 6 RGE 14 W2	MIDALE	39	0.064 - 0.272	0.143
	MIDALE-FROBISHER	3	0.157 - 0.220	0.183
	FROBISHER	3	0.220 - 0.286	0.249
	FROBISHER-ALIDA	2	0.273 - 0.300	0.287
TWP 7 RGE 14 W2	MIDALE	5	0.145 - 0.210	0.168
	WINNIPEGOSIS	1	0.047	0.047
TWP 9 RGE 14 W2	VIKING	1	0.810	0.810
TWP 10 RGE 14 W2	BIRDBEAR	1	0.105	0.105
	INTERLAKE	1	0.045	0.045
	WINNIPEG	1	0.042	0.042
TWP 11 RGE 14 W2	VIKING	1	0.830	0.830
	JURASSIC	1	0.600	0.600
	FROBISHER-ALIDA	1	0.260	0.260
	ALIDA	1	0.284	0.284
	BAKKEN	1	0.180	0.180
TWP 15 RGE 14 W2	BIRDBEAR	1	0.243	0.243
TWP 52 RGE 14 W2	WINNIPEG	1	1.340	1.340
	DEADWOOD	1	1.500	1.500
TWP 1 RGE 15 W2	VIKING	1	0.890	0.890
	BLAIRMORE	1	0.840	0.840
	POPLAR-RATCLIFFE	1	0.056	0.056
	RATCLIFFE	12	0.047 - 0.071	0.058
	MIDALE	2	0.057 - 0.075	0.066
	TILSTON	1	0.098	0.098
TWP 2 RGE 15 W2	RATCLIFFE	1	0.067	0.067
	MIDALE	1	0.060	0.060
TWP 3 RGE 15 W2	MIDALE	1	0.062	0.062
	FROBISHER-ALIDA	1	0.091	0.091
TWP 5 RGE 15 W2	MIDALE	3	0.265 - 0.270	0.267
TWP 5 RGE 15 W2	FROBISHER	1	0.277	0.277
TWP 6 RGE 15 W2	VIKING	1	1.100	1.100
	MIDALE	1	0.248	0.248
TWP 7 RGE 15 W2	MIDALE	4	0.212 - 0.290	0.256
	FROBISHER-ALIDA	1	0.380	0.380
	BIRDBEAR	1	0.087	0.087
	WINNIPEGOSIS	1	0.048	0.048
TWP 22 RGE 15 W2	RED RIVER	1	0.077	0.077
TWP 25 RGE 15 W2	BIRDBEAR	1	0.086	0.086
TWP 1 RGE 16 W2	VIKING	2	0.850 - 0.980	0.915
	BLAIRMORE	2	0.700 - 0.740	0.720
	RATCLIFFE	6	0.046 - 0.072	0.056
	FROBISHER-ALIDA	1	0.049	0.049
TWP 2 RGE 16 W2	RATCLIFFE	1	0.066	0.066
TWP 3 RGE 16 W2	RATCLIFFE	1	0.048	0.048
	MIDALE-FROBISHER	1	0.053	0.053
TWP 4 RGE 16 W2	POPLAR	1	0.600	0.600
	MIDALE	1	0.110	0.110
TWP 6 RGE 16 W2	MIDALE	2	0.266 - 0.290	0.278
	BIRDBEAR	1	0.049	0.049
TWP 7 RGE 16 W2	VIKING	1	0.780	0.780
	MIDALE	1	0.300	0.300
	FROBISHER	1	0.340	0.340
TWP 8 RGE 16 W2	MIDALE	4	0.135 - 0.305	0.244
	DUPEROW	1	0.053	0.053
TWP 9 RGE 16 W2	FROBISHER	1	0.230	0.230
	FROBISHER-ALIDA	1	0.240	0.240
	BIRDBEAR	1	0.064	0.064
TWP 14 RGE 16 W2	RED RIVER	1	0.056	0.056
TWP 19 RGE 16 W2	BIRDBEAR	1	0.110	0.110
TWP 21 RGE 16 W2	DUPEROW	1	0.060	0.060
	SOURIS RIVER	1	0.055	0.055
	WINNIPEGOSIS	1	0.069	0.069
	INTERLAKE	1	0.074	0.074
	RED RIVER	1	0.074	0.074
	WINNIPEG	1	0.079	0.079
TWP 23 RGE 16 W2	RED RIVER	1	0.067	0.067
	WINNIPEG	1	0.078	0.078
TWP 25 RGE 16 W2	BIRDBEAR	1	0.110	0.110
TWP 31 RGE 16 W2	THREE FORKS	1	0.127	0.127
TWP 1 RGE 17 W2	VIKING	1	0.680	0.680
	BLAIRMORE	1	0.845	0.845
	POPLAR	1	0.046	0.046
	RATCLIFFE	3	0.035 - 0.065	0.053
	RED RIVER	1	0.051	0.051
TWP 2 RGE 17 W2	BLAIRMORE	1	1.000	1.000
	RATCLIFFE	1	0.052	0.052

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 2 RGE 17 W2	MIDALE	1	0.093	0.093
	BIRDBEAR	1	0.072	0.072
TWP 3 RGE 17 W2	RATCLIFFE	1	0.085	0.085
TWP 4 RGE 17 W2	RATCLIFFE	2	0.063 - 0.086	0.075
	BIRDBEAR	1	0.051	0.051
	WINNIPEG	1	0.044	0.044
TWP 5 RGE 17 W2	VIKING	1	0.790	0.790
	LOWER SHAUNAVON	2	0.360	0.360
	MIDALE	2	0.410	0.410
	FROBISHER-ALIDA	2	0.180 - 0.380	0.280
	BIRDBEAR	1	0.080	0.080
TWP 13 RGE 17 W2	RIERDON	1	0.330	0.330
	MADISON (UNDIFF)	1	0.305	0.305
TWP 27 RGE 17 W2	DAWSON BAY	1	0.046	0.046
	WINNIPEGOSIS	1	0.048	0.048
TWP 35 RGE 17 W2	INTERLAKE	1	0.043	0.043
TWP 4[illegible] RGE 17 W2	DAWSON BAY	1	0.790	0.790
	WINNIPEGOSIS	1	1.470	1.470
	INTERLAKE	1	2.170	2.170
	DEADWOOD	1	2.430	2.430
TWP 1 RGE 18 W2	BIRDBEAR	1	0.057	0.057
TWP 2 RGE 18 W2	RED RIVER	1	0.050	0.050
TWP 4 RGE 18 W2	RATCLIFFE	1	0.116	0.116
TWP 5 RGE 18 W2	MIDALE	1	0.398	0.398
	BIRDBEAR	1	0.110	0.110
TWP 6 RGE 18 W2	RIERDON	1	0.104	0.104
	MIDALE	1	0.330	0.330
	BIRDBEAR	1	0.115	0.115
	RED RIVER	1	0.047	0.047
TWP 7 RGE 18 W2	MIDALE	1	0.460	0.460
	TILSTON	1	0.222	0.222
	BIRDBEAR	1	0.106	0.106
	DUPEROW	1	0.061	0.061
TWP 12 RGE 18 W2	VIKING	1	1.200	1.200
	GRAVELBOURG	1	0.900	0.900
	FROBISHER-ALIDA	1	0.500	0.500
TWP 16 RGE 18 W2	BLAIRMORE	1	0.453	0.453
TWP 28 RGE 18 W2	DAWSON BAY	1	0.056	0.056
TWP 46 RGE 18 W2	STONY MOUNTAIN	1	0.141	0.141
	WINNIPEG	1	0.104	0.104
TWP 50 RGE 18 W2	DAWSON BAY	2	3.200	3.200
	WINNIPEG	1	3.300	3.300
TWP 1 RGE 19 W2	BIRDBEAR	1	0.049	0.049
TWP 2 RGE 19 W2	BLAIRMORE	1	1.130	1.130
	POPLAR	3	0.050 - 0.086	0.071
	RATCLIFFE	3	0.069 - 0.100	0.082
	BIRDBEAR	4	0.037 - 0.068	0.051
TWP 2 RGE 19 W2	INTERLAKE	1	0.061	0.061
	STONY MOUNTAIN	1	0.130	0.130
	RED RIVER	2	0.052 - 0.060	0.056
	WINNIPEG	1	0.060	0.060
TWP 3 RGE 19 W2	RATCLIFFE	2	0.082 - 0.091	0.087
	BIRDBEAR	1	0.047	0.047
TWP 4 RGE 19 W2	BIRDBEAR	1	0.227	0.227
	RED RIVER	1	0.048	0.048
TWP 5 RGE 19 W2	RATCLIFFE	1	0.155	0.155
	RATCLIFFE-MIDALE	2	0.310 - 0.320	0.315
TWP 6 RGE 19 W2	RATCLIFFE-MIDALE	1	0.390	0.390
	MIDALE	6	0.265 - 0.383	0.330
	BAKKEN	1	0.067	0.067
	BIRDBEAR	1	0.072	0.072
TWP 8 RGE 19 W2	BIRDBEAR	1	0.059	0.059
TWP 10 RGE 19 W2	VIKING	1	1.050	1.050
	GRAVELBOURG	1	0.690	0.690
	RATCLIFFE	1	0.420	0.420
TWP 13 RGE 19 W2	WATROUS	1	0.340	0.340
	FROBISHER-ALIDA	1	0.380	0.380
	BIRDBEAR	1	0.120	0.120
TWP 42 RGE 19 W2	SOURIS RIVER	1	0.100	0.100
TWP 47 RGE 19 W2	WINNIPEGOSIS	1	1.180	1.180
TWP 1 RGE 20 W2	POPLAR	1	0.068	0.068
	RATCLIFFE	1	0.090	0.090
	BIRDBEAR	2	0.070 - 0.080	0.075
	INTERLAKE	1	0.055	0.055
	WINNIPEG	1	0.053	0.053
TWP 2 RGE 20 W2	RATCLIFFE	1	0.210	0.210
	FROBISHER-ALIDA	1	0.140	0.140
TWP 3 RGE 20 W2	MADISON (UNDIFF)	1	0.973	0.973
TWP 4 RGE 20 W2	MADISON (UNDIFF)	1	0.672	0.672
	FROBISHER-ALIDA	1	0.520	0.520
	DUPEROW	1	0.080	0.080
	WINNIPEGOSIS	1	0.048	0.048
	INTERLAKE	1	0.050	0.050
TWP 5 RGE 20 W2	VIKING	1	0.975	0.975
	BLAIRMORE	1	1.330	1.330
	MIDALE	1	0.810	0.810
	FROBISHER-ALIDA	1	0.640	0.640
TWP 6 RGE 20 W2	BIRDBEAR	1	0.620	0.620
TWP 8 RGE 20 W2	BIRDBEAR	1	0.082	0.082
	INTERLAKE	1	0.051	0.051
	RED RIVER	1	0.054	0.054
TWP 9 RGE 20 W2	BIRDBEAR	1	0.135	0.135
TWP 12 RGE 20 W2	BLAIRMORE	1	0.240	0.240
	BIRDBEAR	1	0.178	0.178

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 13 RGE 20 W2	FROBISHER-ALIDA	1	0.255	0.255
	BIRDBEAR	1	0.187	0.187
	RED RIVER	1	0.058	0.058
TWP 23 RGE 20 W2	INTERLAKE	1	0.066	0.066
	WINNIPEG	1	0.086	0.086
TWP 40 RGE 20 W2	WINNIPEGOSIS	1	0.093	0.093
TWP 41 RGE 20 W2	WINNIPEGOSIS	1	0.300	0.300
TWP 2 RGE 21 W2	MIDALE	1	0.210	0.210
TWP 3 RGE 21 W2	POPLAR	1	0.484	0.484
TWP 4 RGE 21 W2	POPLAR	1	0.950	0.950
	RATCLIFFE	1	0.650	0.650
	MIDALE	1	0.800	0.800
	BIRDBEAR	1	0.800	0.800
	YEOMAN	2	0.047 - 0.055	0.051
TWP 6 RGE 21 W2	RATCLIFFE	1	0.674	0.674
	MADISON (UNDIFF)	1	0.600	0.600
	BIRDBEAR	1	0.274	0.274
TWP 7 RGE 21 W2	RATCLIFFE	1	1.040	1.040
	MIDALE	1	0.750	0.750
	BIRDBEAR	1	0.560	0.560
	DUPEROW	1	0.120	0.120
	INTERLAKE	1	0.048	0.048
	RED RIVER	1	0.050	0.050
	WINNIPEG	1	0.048	0.048
TWP 8 RGE 21 W2	VIKING	1	0.960	0.960
	BLAIRMORE	1	1.010	1.010
	LOWER SHAUNAVON	1	0.690	0.690
	MADISON (UNDIFF)	1	0.950	0.950
	BIRDBEAR	1	0.530	0.530
	DUPEROW	1	0.310	0.310
	WINNIPEGOSIS	1	0.052	0.052
	INTERLAKE	1	0.048	0.048
	STONEWALL	1	0.074	0.074
	RED RIVER	2	0.046 - 0.047	0.047
TWP 10 RGE 21 W2	GRAVELBOURG	1	0.730	0.730
	BIRDBEAR	1	0.440	0.440
TWP 11 RGE 21 W2	BLAIRMORE	1	0.480	0.480
	INTERLAKE	1	0.060	0.060
TWP 12 RGE 21 W2	MADISON (UNDIFF)	1	0.225	0.225
	BIRDBEAR	1	0.060	0.060
	INTERLAKE	2	0.048 - 0.059	0.054
	WINNIPEG	1	0.053	0.053
TWP 14 RGE 21 W2	BIRDBEAR	1	0.124	0.124
	RED RIVER	1	0.050	0.050
	WINNIPEG	1	0.053	0.053
	DEADWOOD	1	0.049	0.049
TWP 26 RGE 21 W2	DUPEROW	1	0.079	0.079
TWP 29 RGE 21 W2	SOURIS RIVER	1	0.056	0.056
	INTERLAKE	1	0.063	0.063
	WINNIPEG	1	0.062	0.062
TWP 43 RGE 21 W2	STONEWALL-STONY MOUNTAIN	1	0.203	0.203
TWP 3 RGE 22 W2	VIKING	1	1.080	1.080
	MADISON (UNDIFF)	2	0.550 - 0.590	0.570
	POPLAR	1	1.620	1.620
	RATCLIFFE	2	0.485 - 0.900	0.693
	BIRDBEAR	1	0.160	0.160
TWP 4 RGE 22 W2	RATCLIFFE	1	0.720	0.720
	BIRDBEAR	1	0.190	0.190
TWP 6 RGE 22 W2	BIRDBEAR	1	0.156	0.156
	DUPEROW	1	0.150	0.150
TWP 8 RGE 22 W2	RED RIVER	1	0.050	0.050
TWP 9 RGE 22 W2	JURASSIC	1	0.730	0.730
	MADISON (UNDIFF)	1	1.120	1.120
	DUPEROW	1	0.175	0.175
	WINNIPEGOSIS	1	0.058	0.058
	INTERLAKE	1	0.066	0.066
TWP 17 RGE 22 W2	BLAIRMORE	1	0.295	0.295
	MADISON (UNDIFF)	1	0.247	0.247
	DEVONIAN	6	0.080 - 0.128	0.118
	BIRDBEAR	1	0.115	0.115
	INTERLAKE	1	0.083	0.083
TWP 28 RGE 22 W2	WINNIPEG	2	0.059 - 0.072	0.066
TWP 40 RGE 22 W2	BLAIRMORE	1	0.251	0.251
TWP 42 RGE 22 W2	ASHERN	1	0.071	0.071
TWP 47 RGE 22 W2	WINNIPEGOSIS	1	0.850	0.850
TWP 1 RGE 23 W2	BIRDBEAR	1	0.160	0.160
	DUPEROW	1	0.073	0.073
	INTERLAKE	1	0.071	0.071
	YEOMAN	1	0.061	0.061
TWP 2 RGE 23 W2	MADISON (UNDIFF)	1	0.900	0.900
	POPLAR	1	1.700	1.700
	BIRDBEAR	1	0.190	0.190
TWP 3 RGE 23 W2	BLAIRMORE	1	1.750	1.750
	MADISON (UNDIFF)	1	0.460	0.460
	POPLAR	1	1.140	1.140
	RATCLIFFE	1	0.680	0.680
TWP 5 RGE 23 W2	RATCLIFFE	1	0.139	0.139
	BIRDBEAR	1	0.198	0.198
	RED RIVER	1	0.064	0.064
	YEOMAN	1	0.048	0.048
	WINNIPEG	1	0.048	0.048
TWP 6 RGE 23 W2	BIRDBEAR	1	0.445	0.445
TWP 9 RGE 23 W2	GRAVELBOURG	1	1.040	1.040

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 12 RGE 23 W2	DUPEROW	1	0,340	0,340
TWP 14 RGE 23 W2	BIRDBEAR	1	0,153	0,153
	DUPEROW	3	0,144 - 0,158	0,149
	PRAIRIE			
	EVAPORITE	1	0,156	0,156
	ASHERN	1	0,137	0,137
	INTERLAKE	1	0,151	0,151
	WINNIPEG	1	0,074	0,074
TWP 18 RGE 23 W2	BIRDBEAR	1	0,260	0,260
	DUPEROW	2	0,245 - 0,274	0,260
	SOURIS RIVER	1	0,250	0,250
	DAWSON BAY	2	0,038 - 0,039	0,039
	MIDDLE INTERLAKE	1	0,062	0,062
	LOWER INTERLAKE	1	0,049	0,049
TWP 36 RGE 23 W2	WINNIPEGOSIS	1	0,058	0,058
TWP 50 RGE 23 W2	WINNIPEGOSIS	1	1,350	1,350
	WINNIPEG	1	0,420	0,420
TWP 3 RGE 24 W2	MADISON (UNDIFF)	1	0,180	0,180
	DUPEROW	1	0,072	0,072
	WINNIPEGOSIS	1	0,064	0,064
	INTERLAKE	1	0,052	0,052
	STONEWALL	1	0,055	0,055
	RED RIVER	2	0,050 - 0,052	0,051
	WINNIPEG	1	0,050	0,050
TWP 6 RGE 24 W2	MADISON (UNDIFF)	1	1,600	1,600
TWP 7 RGE 24 W2	RATCLIFFE	1	0,930	0,930
TWP 10 RGE 24 W2	DUPEROW	1	0,360	0,360
TWP 12 RGE 24 W2	LOWER SHAUNAVON-			
	GRAVELBOURG	1	1,860	1,860
	MADISON (UNDIFF)	1	2,050	2,050
	BIRDBEAR	1	1,170	1,170
	DUPEROW	1	0,780	0,780
TWP 14 RGE 24 W2	BLAIRMORE	1	0,760	0,760
	DUPEROW	1	0,170	0,170
	DAWSON BAY	1	0,150	0,150
	WINNIPEGOSIS	1	0,150	0,150
	INTERLAKE	4	0,085 - 0,131	0,109
TWP 16 RGE 24 W2	MADISON (UNDIFF)	1	0,920	0,920
TWP 18 RGE 24 W2	BIRDBEAR	1	0,044	0,044
	WINNIPEGOSIS	1	0,043	0,043
TWP 61 RGE 24 W2	WINNIPEG	1	6,290	6,290
TWP 1 RGE 25 W2	POPLAR	1	0,083	0,083
	BIRDBEAR	1	0,170	0,170
TWP 3 RGE 25 W2	MADISON (UNDIFF)	2	0,290 - 0,380	0,335
	BAKKEN	1	0,051	0,051
	BIRDBEAR	1	0,472	0,472
	DUPEROW	2	0,107 - 0,115	0,111
TWP 3 RGE 25 W2	INTERLAKE	1	0,062	0,062
TWP 5 RGE 25 W2	GRAVELBOURG	1	0,640	0,640
	MADISON (UNDIFF)	1	0,860	0,860
	BAKKEN	3	0,053 - 0,070	0,062
	BIRDBEAR	1	0,200	0,200
TWP 6 RGE 25 W2	RATCLIFFE	1	1,040	1,040
TWP 10 RGE 25 W2	MADISON (UNDIFF)	4	1,820 - 2,330	2,038
	BIRDBEAR	1	1,500	1,500
	DUPEROW	1	1,330	1,330
TWP 15 RGE 25 W2	DUPEROW	1	0,315	0,315
TWP 20 RGE 25 W2	BIRDBEAR	1	0,650	0,650
	DUPEROW	1	0,033	0,033
TWP 24 RGE 25 W2	UPPER SHAUNAVON	1	0,083	0,083
	BIRDBEAR	1	0,078	0,078
	DUPEROW	1	0,136	0,136
TWP 27 RGE 25 W2	BLAIRMORE	1	0,142	0,142
	WINNIPEGOSIS	1	0,048	0,048
	INTERLAKE	2	0,065	0,065
	WINNIPEG	1	0,064	0,064
TWP 33 RGE 25 W2	JURASSIC	1	0,056	0,056
TWP 36 RGE 25 W2	INTERLAKE	1	0,058	0,058
TWP 54 RGE 25 W2	WINNIPEGOSIS	1	1,300	1,300
TWP 55 RGE 25 W2	WINNIPEGOSIS	5	2,171 - 2,447	2,303
	INTERLAKE	1	1,020	1,020
	WINNIPEG	1	0,845	0,845
TWP 4 RGE 26 W2	RATCLIFFE	2	1,960 - 2,320	2,140
	BAKKEN	1	0,870	0,870
TWP 7 RGE 26 W2	MADISON (UNDIFF)	2	1,980 - 2,420	2,200
	BIRDBEAR	1	0,680	0,680
TWP 8 RGE 26 W2	MADISON (UNDIFF)	1	2,400	2,400
	BIRDBEAR	1	2,500	2,500
TWP 10 RGE 26 W2	MADISON (UNDIFF)	1	2,370	2,370
	SOURIS VALLEY	1	1,990	1,990
	BIRDBEAR	1	1,970	1,970
	DUPEROW	1	6,030	6,030
	WINNIPEGOSIS	1	0,410	0,410
	INTERLAKE	1	0,180	0,180
	RED RIVER	1	0,079	0,079
	WINNIPEG	1	0,065	0,065
	DEADWOOD	1	0,066	0,066
TWP 12 RGE 26 W2	BIRDBEAR	1	1,150	1,150
	SOURIS RIVER	1	0,262	0,262
	RED RIVER	1	0,073	0,073
	WINNIPEG	1	0,053	0,053
TWP 15 RGE 26 W2	STONEWALL	1	0,054	0,054
TWP 1 RGE 27 W2	MIDALE	1	1,350	1,350
	BIRDBEAR	1	0,650	0,650

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 1 RGE 27 W2	DAWSON BAY	1	0.112	0.112
	INTERLAKE	2	0.089 - 0.100	0.095
	RED RIVER	1	0.121	0.121
	WINNIPEG	1	0.083	0.083
TWP 5 RGE 27 W2	RATCLIFFE	1	2.300	2.300
	BAKKEN	1	0.400	0.400
TWP 7 RGE 27 W2	WINNIPEGOSIS	1	0.256	0.256
	RED RIVER	1	0.252	0.252
TWP 12 RGE 27 W2	BIRDBEAR-DUPEROW	1	3.000	3.000
	STONEWALL	1	0.475	0.475
	WINNIPEG	1	0.058	0.058
TWP 19 RGE 27 W2	DAWSON BAY	1	0.048	0.048
	WINNIPEG	1	0.046	0.046
TWP 20 RGE 27 W2	WINNIPEG	1	0.060	0.060
TWP 39 RGE 27 W2	WINNIPEGOSIS	1	0.067	0.067
TWP 56 RGE 27 W2	WINNIPEG	1	1.095	1.095
TWP 1 RGE 28 W2	POPLAR	1	2.310	2.310
	RATCLIFFE	1	2.010	2.010
	SOURIS VALLEY	1	1.510	1.510
	BIRDBEAR	1	0.740	0.740
TWP 3 RGE 28 W2	MIDALE	1	1.420	1.420
	BIRDBEAR	1	0.660	0.660
	DUPEROW	2	0.470 - 2.350	1.410
	INTERLAKE	1	0.130	0.130
	YEOMAN	1	0.145	0.145
TWP 4 RGE 28 W2	RATCLIFFE	1	3.000	3.000
	BIRDBEAR	1	3.530	3.530
TWP 5 RGE 28 W2	MADISON (UNDIFF)	2	2.550 - 2.950	2.750
	DUPEROW	2	1.800 - 2.950	2.375
TWP 8 RGE 28 W2	COLORADO	1	1.410	1.410
	GRAVELBOURG	1	1.080	1.080
	MADISON (UNDIFF)	1	2.080	2.080
TWP 14 RGE 28 W2	MADISON (UNDIFF)	1	2.150	2.150
TWP 26 RGE 28 W2	BIRDBEAR	1	0.300	0.300
	DUPEROW	1	0.158	0.158
TWP 27 RGE 28 W2	BLAIRMORE	1	0.177	0.177
	WINNIPEGOSIS	1	0.053	0.053
	INTERLAKE	1	0.052	0.052
	YEOMAN-WINNIPEG	1	0.050	0.050
TWP 32 RGE 28 W2	BLAIRMORE	2	0.250 - 0.305	0.278
TWP 38 RGE 28 W2	BLAIRMORE	1	0.132	0.132
	WINNIPEGOSIS	1	0.051	0.051
TWP 2 RGE 29 W2	MADISON (UNDIFF)	2	2.590 - 2.730	2.660
	DUPEROW	2	1.600 - 2.880	2.240
	SOURIS RIVER	2	1.320 - 1.350	1.335
	ASHERN	1	0.640	0.640
	INTERLAKE	2	0.740 - 2.900	1.820
TWP 7 RGE 29 W2	BLAIRMORE	1	2.150	2.150
	RATCLIFFE	1	2.050	2.050
TWP 11 RGE 29 W2	BELLY RIVER	1	1.330	1.330
	BLAIRMORE	2	0.880 - 1.610	1.245
	MADISON (UNDIFF)	1	2.760	2.760
TWP 12 RGE 29 W2	BLAIRMORE	1	0.910	0.910
	VANGUARD	1	0.580	0.580
TWP 17 RGE 29 W2	INTERLAKE	1	0.160	0.160
TWP 32 RGE 29 W2	BLAIRMORE	1	0.215	0.215
	THREE FORKS	1	0.123	0.123
TWP 5 RGE 30 W2	INTERLAKE	1	1.200	1.200
TWP 2 RGE 1 W3	ROSERAY	1	2.140	2.140
	MADISON (UNDIFF)	1	3.740	3.740
TWP 9 RGE 1 W3	BLAIRMORE	1	2.120	2.120
	ROSERAY	1	1.430	1.430
	MADISON (UNDIFF)	1	2.130	2.130
	BIRDBEAR	1	1.380	1.380
TWP 11 RGE 1 W3	BLAIRMORE	1	1.280	1.280
	ROSERAY	1	1.180	1.180
TWP 17 RGE 1 W3	ROSERAY	1	0.500	0.500
TWP 19 RGE 1 W3	WINNIPEGOSIS	1	0.280	0.280
	DEADWOOD	1	0.069	0.069
TWP 20 RGE 1 W3	ROSERAY	1	0.525	0.525
TWP 23 RGE 1 W3	WINNIPEGOSIS	1	0.070	0.070
	WINNIPEG	1	0.086	0.086
TWP 25 RGE 1 W3	DUPEROW	1	0.340	0.340
TWP 33 RGE 1 W3	ASHERN	1	0.056	0.056
	DEADWOOD	1	0.062	0.062
TWP 34 RGE 1 W3	INTERLAKE	1	0.079	0.079
TWP 37 RGE 1 W3	WINNIPEGOSIS	1	0.053	0.053
	INTERLAKE	1	0.049	0.049
	WINNIPEG	1	0.047	0.047
TWP 38 RGE 1 W3	WINNIPEGOSIS-ASHERN-WINNIPEG	1	0.065	0.065
	INTERLAKE	1	0.055	0.055
TWP 46 RGE 1 W3	STONEWALL-STONY MOUNTAIN	1	0.220	0.220
TWP 5 RGE 2 W3	ROSERAY	1	2.390	2.390
	MADISON (UNDIFF)	2	2.900 - 3.000	2.950
	DUPEROW	1	3.300	3.300
TWP 21 RGE 2 W3	ROSERAY	1	0.930	0.930
	GRAVELBOURG	1	0.534	0.534
	DAWSON BAY	1	0.340	0.340
	INTERLAKE	1	0.073	0.073
TWP 51 RGE 2 W3	DAWSON BAY	1	0.930	0.930
	WINNIPEGOSIS	1	0.730	0.730
	INTERLAKE	1	0.590	0.590

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 51 RGE 2 W3	RED RIVER	1	0,300	0,300
TWP 52 RGE 2 W3	DAWSON BAY	1	0,860	0,860
	WINNIPEGOSIS	1	1,240	1,240
	INTERLAKE	1	1,260	1,260
	WINNIPEG	1	0,390	0,390
TWP 64 RGE 2 W3	SOURIS RIVFR	1	9,270	9,270
	DEADWOOD	1	1,780	1,780
TWP 2 RGE 3 W3	RATCLIFFE-MIDALE	1	2,230	2,230
	BIRDBEAR	1	2,200	2,200
	DUPEROW	1	3,110	3,110
	WINNIPEGOSIS-INTERLAKE	1	2,210	2,210
	INTERLAKE	1	1,800	1,800
	STONEWALL-STONY MOUNTAIN	1	2,000	2,000
	STONY MOUNTAIN	1	2,090	2,090
	WINNIPEG	1	2,290	2,290
TWP 3 RGE 3 W3	MADISON (UNDIFF)	2	2,450 - 2,600	2,525
	DAWSON BAY	1	2,040	2,040
TWP 4 RGE 3 W3	BLAIRMORE	1	2,490	2,490
	DUPEROW	1	3,240	3,240
TWP 8 RGE 3 W3	UPPER VANGUARD	1	2,310	2,310
	MADISON (UNDIFF)	1	3,020	3,020
	BIRDBEAR	1	2,710	2,710
TWP 13 RGE 3 W3	BLAIRMORE	1	1,500	1,500
	ROSERAY	1	1,300	1,300
	MADISON (UNDIFF)	1	1,140	1,140
TWP 15 RGE 3 W3	MADISON (UNDIFF)	1	3,170	3,170
TWP 17 RGE 3 W3	MADISON (UNDIFF)	1	1,940	1,940
TWP 20 RGE 3 W3	BIRDBEAR	1	1,130	1,130
TWP 21 RGE 3 W3	BLAIRMORE	1	1,000	1,000
	ROSFRAY	1	1,150	1,150
TWP 34 RGE 3 W3	PRAIRIE EVAPORITE-WINNIPEGOSIS	1	0,077	0,077
	INTERLAKE	1	0,063	0,063
TWP 6 RGE 4 W3	BIRDBEAR	1	1,560	1,560
	DUPEROW	1	1,650	1,650
	SOURIS RIVER	1	0,300	0,300
	INTFRLAKE	1	2,750	2,750
	WINNIPEG	1	2,140	2,140
TWP 8 RGE 4 W3	SOURIS RIVER	2	0,860 - 1,350	1,105
TWP 9 RGE 4 W3	MADISON (UNDIFF)	1	2,200	2,200
	BIRDBEAR	2	2,220 - 2,350	2,285
	DUPEROW	2	1,050 - 1,720	1,385
	WINNIPEG	1	2,450	2,450
TWP 10 RGE 4 W3	ROSERAY	1	1,490	1,490
TWP 10 RGE 4 W3	MADISON (UNDIFF)	1	2,200	2,200
	BIRDBEAR	1	2,700	2,700
	DUPEROW	1	2,710	2,710
	INTERLAKE	1	2,910	2,910
	RED RIVER	1	1,740	1,740
	WINNIPEG	1	3,020	3,020
TWP 17 RGE 4 W3	BLAIRMORE	1	1,300	1,300
	MADISON (UNDIFF)	1	2,000	2,000
TWP 26 RGE 4 W3	LOWER SHAUNAVON	1	0,650	0,650
	GRAVELBOURG	1	0,650	0,650
	MADISON (UNDIFF)	1	0,390	0,390
	BIRDBEAR	1	0,460	0,460
	DUPEROW	3	0,248 - 0,390	0,299
	SOURIS RIVER	1	0,154	0,154
	DAWSON BAY	1	0,106	0,106
	WINNIPEGOSIS	1	0,083	0,083
	INTERLAKE	1	0,101	0,101
TWP 39 RGE 4 W3	DAWSON BAY	1	0,053	0,053
	ASHERN	1	0,055	0,055
TWP 47 RGE 4 W3	STONEWALL-STONY MOUNTAIN	1	0,147	0,147
TWP 26 RGE 5 W3	SOURIS VALLEY	1	0,450	0,450
	BIRDBEAR	1	0,720	0,720
	DUPEROW	1	0,372	0,372
	DAWSON BAY	1	0,120	0,120
TWP 29 RGE 5 W3	DUPEROW	2	0,320	0,320
	WINNIPEGOSIS	1	0,102	0,102
	STONEWALL-STONY MOUNTAIN	1	0,085	0,085
TWP 48 RGE 5 W3	SOURIS RIVER	1	0,224	0,224
TWP 63 RGE 5 W3	SOURIS RIVER	1	10,000	10,000
	DAWSON BAY	1	7,550	7,550
TWP 1 RGE 6 W3	BLAIRMORE	1	3,260	3,260
TWP 3 RGE 6 W3	MADISON (UNDIFF)	1	2,820	2,820
	BIRDBEAR	1	2,800	2,800
	WINNIPEGOSIS	1	2,700	2,700
	INTERLAKE	1	2,900	2,900
TWP 9 RGE 6 W3	BLAIRMORE	2	2,170 - 2,400	2,285
TWP 10 RGE 6 W3	MADISON (UNDIFF)	1	2,520	2,520
TWP 15 RGE 6 W3	SOURIS RIVER	1	1,520	1,520
	WINNIPEGOSIS	1	0,410	0,410
	INTERLAKE	1	0,960	0,960
	RED RIVER	1	0,112	0,112
	DEADWOOD	2	0,063 - 0,108	0,088
TWP 16 RGE 6 W3	ROSERAY	1	0,117	0,117
TWP 19 RGE 6 W3	BELLY RIVER	3	0,755 - 0,975	0,895
	BLAIRMORE	1	3,800	3,800

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 19 RGE 6 W3	ROSERAY	1	1,780	1,780
	LOWER SHAUNAVON	1	1,400	1,400
TWP 20 RGE 6 W3	BLAIRMORE	2	1,162 - 1,218	1,190
TWP 23 RGE 6 W3	BIRDBEAR	1	1,380	1,380
	DUPEROW	2	0,140 - 0,330	0,235
	INTERLAKE	1	2,700	2,700
TWP 37 RGE 6 W3	WINNIPEGOSIS	1	0,055	0,055
	INTERLAKE	1	0,066	0,066
TWP 2 RGE 7 W3	MADISON (UNDIFF)	1	1,800	1,800
TWP 9 RGE 7 W3	ROSFRAY	1	1,900	1,900
TWP 16 RGE 7 W3	CANTUAR	1	1,260	1,260
	MADISON (UNDIFF)	1	1,580	1,580
	BIRDBEAR	1	1,240	1,240
TWP 19 RGE 7 W3	BLAIRMORE	1	3,220	3,220
TWP 30 RGE 7 W3	BLAIRMORE	1	1,110	1,110
	INTERLAKE	1	0,054	0,054
TWP 34 RGE 7 W3	WINNIPEGOSIS	1	0,075	0,075
TWP 35 RGE 7 W3	DUPEROW	2	0,133 - 0,205	0,169
TWP 5 RGE 8 W3	ASHERN-INTERLAKE	1	3,080	3,080
	WINNIPEG	1	2,870	2,870
	DEADWOOD	1	0,084	0,084
TWP 6 RGE 8 W3	BLAIRMORE	1	1,850	1,850
	CANTUAR	1	2,000	2,000
	MADISON (UNDIFF)	1	2,570	2,570
TWP 7 RGE 8 W3	BLAIRMORE	1	1,680	1,680
	GRAVELBOURG	1	0,970	0,970
TWP 8 RGE 8 W3	LOWER COLORADO	1	1,680	1,680
	VIKING	1	0,720	0,720
	ROSERAY	1	1,540	1,540
TWP 10 RGE 8 W3	ROSERAY	1	1,540	1,540
	BIRDBEAR	1	2,450	2,450
TWP 11 RGE 8 W3	GRAVELBOURG	1	1,410	1,410
TWP 14 RGE 8 W3	ROSERAY	1	0,120	0,120
TWP 17 RGE 8 W3	BLAIRMORE	1	1,620	1,620
	SOURIS RIVER	2	0,579 - 1,280	0,930
TWP 19 RGE 8 W3	BASAL BLAIRMORE	1	1,430	1,430
TWP 31 RGE 8 W3	BIRDBEAR	1	0,200	0,200
	DUPEROW	1	0,236	0,236
	STONEWALL	1	0,068	0,068
	RED RIVER	1	0,048	0,048
TWP 32 RGE 8 W3	BIRDBEAR	1	0,150	0,150
	INTERLAKE	1	0,071	0,071
TWP 35 RGE 8 W3	STONY MOUNTAIN	1	0,056	0,056
	DEADWOOD	4	0,045 - 0,050	0,048
TWP 63 RGE 8 W3	BLAIRMORE	1	8,600	8,600
	DEADWOOD	1	2,080	2,080
TWP 1 RGE 9 W3	BASAL CANTUAR	1	1,700	1,700
TWP 1 RGE 9 W3	UPPER ROSERAY	1	1,580	1,580
	ROSERAY	2	2,390 - 2,800	2,595
TWP 3 RGE 9 W3	BLAIRMORE	1	1,480	1,480
	MADISON (UNDIFF)	1	3,360	3,360
TWP 4 RGE 9 W3	BLAIRMORE	1	1,850	1,850
	MADISON (UNDIFF)	2	2,520 - 2,740	2,630
TWP 6 RGE 9 W3	MADISON (UNDIFF)	1	2,390	2,390
	DUPEROW	1	1,600	1,600
TWP 7 RGE 9 W3	VIKING	1	0,937	0,937
	BLAIRMORF	1	1,485	1,485
	ROSERAY	1	1,370	1,370
	GRAVELBOURG	1	0,242	0,242
	MADISON (UNDIFF)	1	2,376	2,376
TWP 8 RGE 9 W3	LOWER SHAUNAVON	1	1,500	1,500
TWP 15 RGE 9 W3	CANTUAR	1	1,520	1,520
TWP 4 RGE 10 W3	UPPER GRAVELBOURG	1	1,600	1,600
TWP 9 RGE 10 W3	BLAIRMORE	1	1,700	1,700
	CANTUAR	1	1,500	1,500
	ROSFRAY	1	1,400	1,400
	GRAVELBOURG	1	1,200	1,200
TWP 14 RGE 10 W3	BLAIRMORE	1	2,070	2,070
	DUPEROW	1	2,300	2,300
	DEADWOOD	1	1,350	1,350
TWP 15 RGE 10 W3	CANTUAR	1	1,580	1,580
TWP 19 RGE 10 W3	CANTUAR	1	1,460	1,460
TWP 20 RGE 10 W3	GRAVELBOURG	1	1,620	1,620
	BIRDBEAR	1	0,930	0,930
TWP 22 RGE 10 W3	BLAIRMORE	1	1,150	1,150
	GRAVELBOURG	1	1,180	1,180
	BIRDBEAR	1	1,430	1,430
TWP 24 RGE 10 W3	SOURIS VALLEY	1	0,450	0,450
	DUPEROW	2	0,450 - 0,750	0,600
	DAWSON BAY	1	0,122	0,122
	PRAIRIE EVAPORITE-WINNIPEGOSIS	1	0,094	0,094
	INTERLAKE	2	0,080 - 0,085	0,083
	STONEWALL	1	0,080	0,080
	RED RIVER	1	0,055	0,055
TWP 27 RGE 10 W3	BLAIRMORE	2	1,240 - 1,280	1,260
	BAKKEN	1	0,970	0,970
	BIRDBEAR	1	0,277	0,277
TWP 60 RGE 10 W3	DEVONIAN	1	7,480	7,480
	WINNIPEGOSIS	1	5,900	5,900
TWP 2 RGE 11 W3	BIRDBEAR	1	2,720	2,720
	SOURIS RIVER	1	3,340	3,340

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 7 RGE 11 W3	MADISON (UNDIFF)	1	4.100	4.100
TWP 12 RGE 11 W3	VIKING	1	0.620	0.620
TWP 16 RGE 11 W3	CANTUAR	1	1.580	1.580
TWP 18 RGE 11 W3	CANTUAR	3	1.740 - 2.160	1.890
TWP 19 RGE 11 W3	BASAL BLAIRMORE	1	1.320	1.320
	MADISON (UNDIFF)	1	1.450	1.450
TWP 21 RGE 11 W3	DUPEROW	1	0.136	0.136
	WINNIPEGOSIS	1	0.062	0.062
TWP 23 RGE 11 W3	DUPEROW	1	0.970	0.970
	DAWSON BAY	1	0.064	0.064
	INTERLAKE	1	0.067	0.067
TWP 27 RGE 11 W3	DUPEROW	2	0.132 - 0.140	0.136
	SOURIS RIVER	1	0.110	0.110
	INTERLAKE	1	0.089	0.089
TWP 29 RGE 11 W3	BLAIRMORE	1	1.480	1.480
TWP 30 RGE 11 W3	BLAIRMORE	1	0.830	0.830
TWP 60 RGE 11 W3	DAWSON BAY	1	4.330	4.330
	WINNIPEGOSIS	1	2.240	2.240
TWP 1 RGE 12 W3	WINNIPEGOSIS-ASHERN-INTERLAKE	1	3.080	3.080
TWP 5 RGE 12 W3	BLAIRMORE	1	1.750	1.750
	ROSERAY	1	2.150	2.150
TWP 13 RGE 12 W3	MADISON (UNDIFF)	1	2.250	2.250
	BIRDBEAR	1	0.690	0.690
	DUPEROW	1	1.080	1.080
	SOURIS RIVER-DAWSON BAY-WINNIPEGOSIS	1	2.170	2.170
TWP 16 RGE 12 W3	CANTUAR	2	1.950 - 2.050	2.000
TWP 18 RGE 12 W3	CANTUAR	1	1.200	1.200
	ROSERAY	1	1.500	1.500
TWP 30 RGE 12 W3	BLAIRMORE	1	0.930	0.930
	BIRDBEAR	1	0.950	0.950
TWP 37 RGE 12 W3	BLAIRMORE	1	0.105	0.105
TWP 58 RGE 12 W3	SOURIS RIVER	1	0.203	0.203
TWP 60 RGE 12 W3	SOURIS RIVER	1	1.270	1.270
	WINNIPEGOSIS	1	1.880	1.880
TWP 1 RGE 13 W3	MADISON (UNDIFF)	1	1.540	1.540
	BIRDBEAR	1	2.370	2.370
	INTERLAKE	1	3.510	3.510
TWP 2 RGE 13 W3	VIKING	1	1.750	1.750
	BLAIRMORE	1	2.850	2.850
TWP 11 RGE 13 W3	CANTUAR	1	1.100	1.100
TWP 13 RGE 13 W3	ROSERAY	1	0.845	0.845
TWP 14 RGE 13 W3	ROSERAY	1	1.170	1.170
TWP 15 RGE 13 W3	CANTUAR	1	1.020	1.020
TWP 17 RGE 13 W3	BLAIRMORE	1	1.710	1.710
TWP 17 RGE 13 W3	CANTUAR	1	1.350	1.350
	ROSERAY	1	1.440	1.440
TWP 18 RGE 13 W3	CANTUAR	1	1.230	1.230
TWP 19 RGE 13 W3	VIKING	1	0.635	0.635
	BLAIRMORE	2	1.450 - 1.580	1.515
	CANTUAR	1	1.100	1.100
TWP 25 RGE 13 W3	VIKING	1	0.850	0.850
	BLAIRMORE	1	1.500	1.500
TWP 27 RGE 13 W3	BLAIRMORE	3	0.300 - 1.850	1.177
	WINNIPEGOSIS	1	0.059	0.059
TWP 29 RGE 13 W3	BAKKEN	1	0.970	0.970
TWP 39 RGE 13 W3	BLAIRMORE	1	0.111	0.111
TWP 46 RGE 13 W3	VIKING	1	0.150	0.150
	DUPEROW-SOURIS RIVER	1	0.108	0.108
	SOURIS RIVER	1	0.098	0.098
	DAWSON BAY	1	0.060	0.060
TWP 47 RGE 13 W3	DAWSON BAY	1	0.074	0.074
TWP 66 RGE 13 W3	WINNIPEGOSIS	1	0.104	0.104
	DEADWOOD	1	0.335	0.335
TWP 1 RGE 14 W3	BLAIRMORE	1	1.100	1.100
	MADISON (UNDIFF)	1	2.780	2.780
TWP 4 RGE 14 W3	BASAL BLAIRMORE	1	1.260	1.260
	ROSERAY	2	1.200	1.200
TWP 5 RGE 14 W3	ROSERAY	1	2.340	2.340
TWP 11 RGE 14 W3	CANTUAR	2	0.826 - 0.910	0.868
	ROSERAY	1	1.320	1.320
TWP 13 RGE 14 W3	CANTUAR	1	0.900	0.900
TWP 14 RGE 14 W3	CANTUAR	1	0.960	0.960
	ROSERAY	1	0.950	0.950
TWP 17 RGE 14 W3	CANTUAR	2	1.390 - 1.400	1.395
	ROSERAY	3	1.240 - 1.880	1.490
	BIRDBEAR	1	0.430	0.430
	DUPEROW	3	0.380 - 0.440	0.418
	SOURIS RIVER	3	0.099 - 0.223	0.174
	INTERLAKE	2	0.084 - 0.170	0.127
	DEADWOOD	3	0.110 - 0.143	0.124
TWP 18 RGE 14 W3	ROSERAY	2	1.280 - 1.570	1.425
TWP 19 RGE 14 W3	VIKING	1	0.570	0.570
	SPINNEY HILL	1	1.350	1.350
	BLAIRMORE	1	1.400	1.400
	CANTUAR	1	1.060	1.060
TWP 20 RGE 14 W3	VIKING	1	0.700	0.700
TWP 21 RGE 14 W3	VIKING	2	0.660 - 0.700	0.680
TWP 22 RGE 14 W3	VIKING	1	0.670	0.670
TWP 23 RGE 14 W3	VIKING	1	1.100	1.100
TWP 26 RGE 14 W3	SPINNEY HILL	1	1.280	1.280

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 29 RGE 14 W3	DUPFROW	1	0.163	0.163
TWP 35 RGE 14 W3	BLAIRMORE	1	0.150	0.150
TWP 46 RGE 14 W3	DAWSON BAY	1	0.061	0.061
TWP 56 RGE 14 W3	WINNIPFGOSIS	1	0.370	0.370
	DEADWOOD	2	0.380 - 0.390	0.385
TWP 58 RGE 14 W3	WINNIPFGOSIS	1	0.258	0.258
TWP 63 RGE 14 W3	WINNIPEGOSIS	1	0.590	0.590
TWP 12 RGE 15 W3	ROSERAY	1	0.830	0.830
TWP 15 RGE 15 W3	CANTUAR	1	0.840	0.840
	ROSFRAY	3	0.910 - 0.980	0.950
TWP 16 RGE 15 W3	CANTUAR	4	0.960 - 1.070	1.008
	ROSERAY	2	0.670 - 0.835	0.753
TWP 17 RGE 15 W3	BLAIRMORF	3	1.100 - 1.720	1.307
	CANTUAR	4	1.040 - 2.000	1.535
	ROSFRAY	3	1.780 - 2.230	1.953
	UPPFR SHAUNAVON	1	1.740	1.740
	LOWFR SHAUNAVON	3	1.250 - 1.600	1.380
	MADISON (UNDIFF)	2	1.070 - 1.650	1.360
TWP 18 RGE 15 W3	CANTUAR	1	2.050	2.050
TWP 23 RGE 15 W3	VIKING	1	0.620	0.620
TWP 33 RGE 15 W3	INTERLAKE	1	0.057	0.057
TWP 34 RGE 15 W3	BLAIRMORE	1	0.160	0.160
	BIRDBEAR	1	0.099	0.099
TWP 51 RGE 15 W3	WINNIPEGOSIS	1	0.096	0.096
TWP 60 RGE 15 W3	BLAIRMORE	1	5.800	5.800
	DEADWOOD	1	0.300	0.300
TWP 61 RGE 15 W3	WINNIPFGOSIS	1	0.480	0.480
	DEADWOOD	1	0.420	0.420
TWP 64 RGE 15 W3	DEADWOOD	1	0.510	0.510
TWP 68 RGE 15 W3	WINNIPEGOSIS	1	0.359	0.359
	WINNIPEGOSIS-ASHERN	1	0.284	0.284
	MEADOW LAKE	2	0.427 - 0.481	0.454
TWP 1 RGE 16 W3	UPPER SHAUNAVON	1	0.755	0.755
TWP 13 RGE 16 W3	CANTUAR	1	0.770	0.770
	BASAL BLAIRMORE	1	0.690	0.690
	ROSFRAY	1	0.700	0.700
TWP 14 RGE 16 W3	ROSERAY	1	0.667	0.667
	LOWER ROSERAY	1	0.698	0.698
TWP 15 RGE 16 W3	CANTUAR	2	0.720 - 0.900	0.810
	ROSERAY	4	0.780 - 1.630	1.135
TWP 16 RGE 16 W3	BLAIRMORE	5	0.880 - 1.830	1.146
	CANTUAR	2	0.935 - 0.960	0.948
	BASAL CANTUAR	1	1.280	1.280
	BASAL CANTUAR-ROSERAY	1	0.960	0.960
	ROSERAY	11	0.745 - 1.400	0.989
TWP 16 RGE 16 W3	LOWFR SHAUNAVON	4	0.662 - 1.500	1.146
TWP 17 RGE 16 W3	ROSERAY	8	0.550 - 1.280	1.031
	BIRDBEAR	1	0.820	0.820
	DUPEROW	3	0.076 - 0.500	0.225
	INTFRLAKE	1	0.059	0.059
TWP 18 RGE 16 W3	BLAIRMORE	1	0.710	0.710
	UPPER SHAUNAVON	1	1.380	1.380
TWP 19 RGE 16 W3	UPPER SHAUNAVON	1	1.220	1.220
	LOWFR SHAUNAVON	1	1.210	1.210
TWP 23 RGE 16 W3	LOWFR COLORADO	1	0.580	0.580
	VIKING	1	0.480	0.480
TWP 24 RGE 16 W3	VIKING	2	0.740	0.740
TWP 26 RGE 16 W3	SPINNEY HILL	1	1.200	1.200
TWP 32 RGE 16 W3	BIRDBEAR	1	0.095	0.095
TWP 33 RGE 16 W3	BLAIRMORF	1	0.160	0.160
	BIRDBEAR	1	0.117	0.117
TWP 34 RGE 16 W3	BAKKEN	1	0.128	0.128
	BIRDBEAR	3	0.124 - 0.155	0.136
TWP 38 RGE 16 W3	BLAIRMORE	1	0.145	0.145
TWP 45 RGE 16 W3	WINNIPEGOSIS	1	0.048	0.048
TWP 59 RGE 16 W3	BLAIRMORF	2	1.520 - 1.970	1.745
	DAWSON BAY	1	0.590	0.590
	WINNIPFGOSIS	1	0.380	0.380
	DEADWOOD	1	0.310	0.310
TWP 66 RGE 16 W3	MEADOW LAKE	1	0.212	0.212
TWP 2 RGE 17 W3	UPPER SHAUNAVON	1	0.395	0.395
	MADISON (UNDIFF)	1	1.700	1.700
TWP 3 RGE 17 W3	BELLY RIVER	1	5.320	5.320
TWP 6 RGE 17 W3	DAWSON BAY	1	1.400	1.400
TWP 8 RGE 17 W3	CANTUAR	1	0.650	0.650
TWP 9 RGE 17 W3	MADISON (UNDIFF)	1	1.850	1.850
TWP 10 RGE 17 W3	BASAL BLAIRMORE	1	0.540	0.540
	UPPER SHAUNAVON	1	0.562	0.562
TWP 11 RGE 17 W3	UPPER SHAUNAVON	4	0.587 - 0.810	0.697
TWP 12 RGE 17 W3	BELLY RIVER	2	3.240 - 3.500	3.370
	UPPER SHAUNAVON	2	0.650 - 0.690	0.670
TWP 13 RGE 17 W3	ROSERAY	2	0.700 - 0.800	0.750
TWP 14 RGE 17 W3	ROSFRAY	1	0.680	0.680
TWP 15 RGE 17 W3	BLAIRMORE	1	0.913	0.913
	CANTUAR	9	0.530 - 0.730	0.637
	BASAL CANTUAR	1	0.661	0.661
	CANTUAR-ROSERAY	1	0.570	0.570
	UPPFR ROSERAY	1	0.902	0.902
	ROSERAY	3	0.610 - 1.000	0.756
TWP 16 RGE 17 W3	CANTUAR	2	0.820 - 0.880	0.850
	ROSERAY	3	0.735 - 0.880	0.798
	LOWER ROSERAY	2	0.880 - 0.900	0.890

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 16 RGE 17 W3	UPPER SHAUNAVON	1	0.860	0.860
	MADISON (UNDIFF)	1	1.420	1.420
	DUPEROW	3	0.062 - 0.700	0.313
	SOURIS RIVER	1	0.192	0.192
	WINNIPEGOSIS	1	0.067	0.067
	INTERLAKE	2	0.069 - 0.071	0.070
TWP 17 RGE 17 W3	CANTUAR	4	0.850 - 1.120	0.985
	ROSERAY	1	1.410	1.410
	UPPER SHAUNAVON	1	1.280	1.280
TWP 18 RGE 17 W3	BELLY RIVER	2	2.600 - 6.500	4.550
	CANTUAR	2	1.050 - 1.370	1.210
	ROSERAY	28	0.610 - 2.700	1.274
	UPPER SHAUNAVON	5	1.060 - 1.764	1.415
	UPPER-LOWER SHAUNAVON	1	1.360	1.360
TWP 19 RGE 17 W3	CANTUAR	5	0.835 - 1.180	0.953
	ROSERAY	1	0.860	0.860
	UPPER SHAUNAVON	3	1.040 - 1.640	1.280
TWP 20 RGE 17 W3	CANTUAR	1	0.780	0.780
TWP 22 RGE 17 W3	VIKING	1	0.610	0.610
TWP 23 RGE 17 W3	VIKING	2	0.490 - 0.590	0.540
TWP 24 RGE 17 W3	VIKING	3	0.490 - 0.660	0.572
TWP 25 RGE 17 W3	VIKING	2	0.760 - 0.880	0.820
	BLAIRMORE	1	0.760	0.760
TWP 26 RGE 17 W3	MADISON (UNDIFF)	1	0.400	0.400
	WINNIPEGOSIS	1	0.049	0.049
	ASHERN	1	0.047	0.047
TWP 27 RGE 17 W3	VIKING	1	0.853	0.853
TWP 28 RGE 17 W3	VIKING	1	1.110	1.110
TWP 31 RGE 17 W3	BLAIRMORE	1	0.203	0.203
TWP 56 RGE 17 W3	DEADWOOD	2	0.151 - 0.152	0.152
TWP 58 RGE 17 W3	MEADOW LAKE	1	0.440	0.440
TWP 9 RGE 18 W3	RAVENSCRAG	1	7.900	7.900
	BELLY RIVER	1	4.280	4.280
	UPPER SHAUNAVON	3	0.440 - 1.130	0.790
TWP 10 RGE 18 W3	UPPER SHAUNAVON	1	1.300	1.300
	LOWER SHAUNAVON	2	0.415 - 0.620	0.518
TWP 11 RGE 18 W3	BASAL BLAIRMORE	1	0.540	0.540
	UPPER SHAUNAVON	2	0.460 - 0.490	0.475
TWP 12 RGE 18 W3	ROSERAY	1	0.680	0.680
	UPPER SHAUNAVON	13	0.523 - 1.630	1.060
TWP 13 RGE 18 W3	ROSERAY	3	0.520 - 0.810	0.673
	UPPER SHAUNAVON	2	0.920 - 1.130	1.025
TWP 14 RGE 18 W3	ROSERAY	3	0.750 - 0.940	0.813
	BIRDBEAR	1	0.550	0.550
	DUPEROW	3	0.108 - 0.540	0.264
TWP 15 RGE 18 W3	BLAIRMORE	1	0.710	0.710

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 15 RGE 18 W3	CANTUAR	1	0.660	0.660
	CANTUAR-ROSERAY	1	0.750	0.750
	ROSERAY	6	0.580 - 0.840	0.727
	UPPER SHAUNAVON	4	0.715 - 0.850	0.794
TWP 16 RGE 18 W3	BLAIRMORE	1	0.760	0.760
	CANTUAR	6	0.560 - 0.870	0.653
	BASAL CANTUAR	1	0.500	0.500
	ROSERAY	9	0.500 - 0.900	0.734
TWP 17 RGE 18 W3	BELLY RIVER	1	2.050	2.050
	BLAIRMORE	4	0.660 - 1.150	0.820
	CANTUAR	2	0.785 - 0.920	0.853
	ROSERAY	11	0.790 - 1.380	0.912
	BIRDBEAR	1	1.070	1.070
	DUPEROW	5	0.080 - 0.200	0.132
	SOURIS RIVER	2	0.080 - 0.090	0.085
TWP 18 RGE 18 W3	CANTUAR	2	0.870 - 0.960	0.915
	UPPER SHAUNAVON	3	0.785 - 1.330	1.122
	LOWER SHAUNAVON	4	1.020 - 1.420	1.243
TWP 24 RGE 18 W3	VIKING	2	0.500 - 0.590	0.545
TWP 25 RGE 18 W3	VIKING	1	0.265	0.265
TWP 28 RGE 18 W3	BLAIRMORE	1	0.920	0.920
	VIKING	1	0.213	0.213
TWP 29 RGE 18 W3	STONY MOUNTAIN	1	0.050	0.050
TWP 32 RGE 18 W3	BAKKEN	1	0.580	0.580
TWP 33 RGE 18 W3	BLAIRMORE	1	0.340	0.340
TWP 49 RGE 18 W3	SOURIS RIVER	1	0.085	0.085
TWP 51 RGE 18 W3	DAWSON BAY	1	0.072	0.072
TWP 55 RGE 18 W3	ST. WALBURG	1	0.374	0.374
TWP 4 RGE 19 W3	BELLY RIVER	1	2.300	2.300
TWP 7 RGE 19 W3	BLAIRMORE	1	0.670	0.670
	UPPER SHAUNAVON	2	0.345 - 0.410	0.378
TWP 8 RGE 19 W3	BELLY RIVER	7	4.200 - 4.550	4.326
	UPPER SHAUNAVON	1	0.675	0.675
	SHAUNAVON	2	0.370 - 0.400	0.385
	LOWER SHAUNAVON	1	0.357	0.357
TWP 9 RGE 19 W3	BELLY RIVER	1	4.450	4.450
	SHAUNAVON	1	0.430	0.430
TWP 10 RGE 19 W3	BELLY RIVER	1	2.400	2.400
	UPPER SHAUNAVON	1	1.600	1.600
TWP 11 RGE 19 W3	BELLY RIVER	1	3.300	3.300
	UPPER SHAUNAVON	3	0.420 - 0.510	0.463
TWP 12 RGE 19 W3	BASAL CANTUAR	1	0.625	0.625
	ROSERAY	2	0.560 - 0.580	0.570
	UPPER SHAUNAVON	3	0.500 - 0.600	0.537
TWP 13 RGE 19 W3	BELLY RIVER	2	2.260 - 2.730	2.495
	BLAIRMORE	1	0.780	0.780
	CANTUAR	3	0.530 - 0.600	0.557

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 13 RGE 19 W3	BASAL CANTUAR	2	0.530	0.530
	ROSERAY	12	0.530 - 0.880	0.691
	UPPER SHAUNAVON	11	0.540 - 0.923	0.721
	LOWER SHAUNAVON	1	0.600	0.600
	GRAVELBOURG	2	0.690 - 0.796	0.743
	MADISON (UNDIFF)	1	1.470	1.470
TWP 14 RGE 19 W3	BELLY RIVER	1	2.200	2.200
	BLAIRMORE	2	0.610	0.610
	CANTUAR	1	0.460	0.460
	BASAL CANTUAR	1	0.581	0.581
	ROSERAY	7	0.412 - 0.800	0.654
	UPPER SHAUNAVON	7	0.505 - 1.080	0.728
	GRAVELBOURG	1	0.555	0.555
	BIRDBEAR	1	0.124	0.124
	DUPEROW	5	0.046 - 0.178	0.104
TWP 15 RGE 19 W3	BELLY RIVER	1	2.520	2.520
	BLAIRMORE	1	0.670	0.670
	BASAL BLAIRMORE	1	0.542	0.542
	UPPER SHAUNAVON	4	0.500 - 0.690	0.560
	LOWER SHAUNAVON	1	0.690	0.690
TWP 16 RGE 19 W3	BLAIRMORE	1	0.750	0.750
	CANTUAR	1	0.750	0.750
	BASAL BLAIRMORE	2	0.450 - 0.550	0.500
	ROSERAY	8	0.420 - 0.880	0.674
	UPPER SHAUNAVON	4	0.590 - 0.900	0.761
	LOWER SHAUNAVON	1	1.200	1.200
TWP 17 RGE 19 W3	ROSERAY	2	0.675 - 0.860	0.768
	LOWER ROSERAY	1	0.970	0.970
	UPPER SHAUNAVON	2	0.640 - 0.950	0.795
TWP 18 RGE 19 W3	BASAL BLAIRMORE- UPPER SHAUNAVON	1	0.950	0.950
	UPPER SHAUNAVON	2	0.690 - 0.830	0.760
TWP 21 RGE 19 W3	VIKING	1	0.530	0.530
TWP 22 RGE 19 W3	BASAL CANTUAR	1	0.582	0.582
TWP 25 RGE 19 W3	VIKING	3	0.590 - 0.640	0.621
TWP 28 RGE 19 W3	VIKING	1	0.825	0.825
TWP 29 RGE 19 W3	BLAIRMORE	1	1.110	1.110
TWP 31 RGE 19 W3	VIKING	1	0.725	0.725
	SPINNEY HILL	1	0.740	0.740
TWP 32 RGE 19 W3	THREE FORKS	1	0.440	0.440
TWP 36 RGE 19 W3	DUPEROW	4	0.242 - 0.814	0.598
TWP 40 RGE 19 W3	VIKING	1	0.410	0.410
	BLAIRMORE	1	0.335	0.335
	UNITY	1	0.340	0.340
TWP 58 RGE 19 W3	WINNIPEGOSIS	1	0.252	0.252
	DEADWOOU	1	0.147	0.147
TWP 60 RGE 19 W3	BLAIRMORE	1	2.390	2.390
TWP 63 RGE 19 W3	WINNIPEGOSIS	1	0.186	0.186
TWP 2 RGE 20 W3	UPPER SHAUNAVON	1	1.020	1.020
	MADISON (UNDIFF)	1	0.709	0.709
TWP 3 RGE 20 W3	VIKING	1	0.580	0.580
	CANTUAR	1	0.710	0.710
	BASAL BLAIRMORE	1	0.720	0.720
	UPPER SHUANAVON	1	0.494	0.494
TWP 4 RGE 20 W3	BELLY RIVER	2	4.500 - 4.660	4.580
	UPPER SHAUNAVON	3	0.310 - 0.421	0.361
TWP 5 RGE 20 W3	BELLY RIVER	3	1.840 - 2.400	2.057
	UPPER SHAUNAVON	5	0.280 - 0.390	0.338
TWP 6 RGE 20 W3	SHAUNAVON	1	0.350	0.350
	GRAVELBOURG	1	0.165	0.165
TWP 7 RGE 20 W3	BELLY RIVER	2	2.050 - 2.200	2.125
	VIKING	2	0.600 - 0.610	0.605
	BLAIRMORE	1	0.600	0.600
	UPPER SHAUNAVON	3	0.460 - 0.580	0.527
	LOWER SHAUNAVON	1	0.700	0.700
TWP 11 RGE 20 W3	UPPER SHAUNAVON	1	0.560	0.560
	LOWER SHAUNAVON	1	0.420	0.420
TWP 12 RGE 20 W3	UPPER SHAUNAVON	1	0.700	0.700
TWP 13 RGE 20 W3	CANTUAR	1	0.570	0.570
	UPPER SHAUNAVON	4	0.440 - 0.800	0.557
	MADISON (UNDIFF)	1	0.480	0.480
TWP 14 RGE 20 W3	ROSERAY	2	0.605 - 1.020	0.813
	UPPER SHAUNAVON	3	0.540 - 0.615	0.588
TWP 15 RGE 20 W3	UPPER SHAUNAVON	2	0.720 - 0.780	0.750
TWP 16 RGE 20 W3	UPPER SHAUNAVON	3	0.540 - 0.720	0.637
TWP 17 RGE 20 W3	ROSERAY	1	0.558	0.558
	UPPER SHAUNAVON	1	0.790	0.790
	UPPER-LOWER SHAUNAVON	1	0.560	0.560
TWP 21 RGE 20 W3	VIKING	1	0.490	0.490
	SOURIS RIVER	1	0.054	0.054
TWP 22 RGE 20 W3	BLAIRMORE	1	0.323	0.323
TWP 23 RGE 20 W3	VIKING	1	0.494	0.494
TWP 28 RGE 20 W3	VIKING	2	0.421 - 0.480	0.451
TWP 31 RGE 20 W3	BELLY RIVER	1	3.640	3.640
	BLAIRMORE	1	0.541	0.541
TWP 32 RGE 20 W3	BLAIRMORE	1	0.572	0.572
	BAKKEN	1	0.362	0.362
TWP 36 RGE 20 W3	DUPEROW	1	0.140	0.140
TWP 43 RGE 20 W3	BLAIRMORE	1	0.120	0.120
TWP 49 RGE 20 W3	DEADWOOD	1	0.042	0.042
TWP 50 RGE 20 W3	SOURIS RIVER	1	0.085	0.085
	DAWSON BAY	1	0.056	0.056
TWP 54 RGE 20 W3	CUMMINGS	1	1.180	1.180

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 57 RGE 20 W3	BLAIRMORE	1	3.320	3.320
TWP 60 RGE 20 W3	SOURIS RIVER	1	0.470	0.470
	WINNIPEGOSIS	1	0.170	0.170
	DEADWOOD	2	0.100 - 0.130	0.115
TWP 61 RGE 20 W3	BLAIRMORE	1	1.530	1.530
	WINNIPEGOSIS	1	0.123	0.123
TWP 62 RGE 20 W3	BLAIRMORE	1	1.620	1.620
TWP 1 RGE 21 W3	BELLY RIVER	1	4.460	4.460
TWP 2 RGE 21 W3	UPPER SHAUNAVON	1	0.720	0.720
TWP 3 RGE 21 W3	UPPER SHAUNAVON	1	0.790	0.790
	MADISON (UNDIFF)	1	0.192	0.192
TWP 4 RGE 21 W3	UPPER SHAUNAVON	1	0.570	0.570
TWP 7 RGE 21 W3	UPPER SHAUNAVON	2	0.445 - 0.460	0.453
TWP 10 RGE 21 W3	UPPER SHAUNAVON	1	0.515	0.515
	UPPER-LOWER SHAUNAVON	1	0.520	0.520
TWP 11 RGE 21 W3	UPPER SHUANAVON	1	0.725	0.725
TWP 13 RGE 21 W3	VIKING	1	0.495	0.495
	UPPER SHAUNAVON	1	0.520	0.520
TWP 14 RGE 21 W3	UPPER SHAUNAVON	1	0.483	0.483
TWP 17 RGE 21 W3	UPPER-LOWER SHAUNAVON	1	0.560	0.560
TWP 18 RGE 21 W3	GRAVELBOURG	1	0.740	0.740
	BIRDBEAR	1	0.580	0.580
TWP 22 RGE 21 W3	VIKING	2	0.495 - 0.560	0.528
	MADISON (UNDIFF)	1	0.503	0.503
	BAKKEN	1	0.485	0.485
TWP 26 RGE 21 W3	VIKING	1	0.420	0.420
TWP 28 RGE 21 W3	VIKING	1	0.357	0.357
TWP 32 RGE 21 W3	RIBSTONE CREEK	1	1.370	1.370
TWP 34 RGE 21 W3	BASAL BLAIRMORE-BIRDBEAR	1	0.313	0.313
	BIRDBEAR	1	0.300	0.300
TWP 35 RGE 21 W3	BIRDBEAR	1	0.330	0.330
	DUPEROW	1	0.166	0.166
TWP 51 RGE 21 W3	SOURIS RIVER	1	0.144	0.144
	WINNIPEGOSIS	1	0.057	0.057
TWP 55 RGE 21 W3	SOURIS RIVER	1	0.185	0.185
TWP 56 RGE 21 W3	BLAIRMORE	1	1.120	1.120
TWP 57 RGE 21 W3	MEADOW LAKE	1	0.130	0.130
TWP 58 RGE 21 W3	BLAIRMORE	1	1.300	1.300
TWP 61 RGE 21 W3	ST. WALBURG	1	0.500	0.500
TWP 63 RGE 21 W3	WINNIPEGOSIS	1	0.121	0.121
TWP 1 RGE 22 W3	UPPER SHAUNAVON	1	0.605	0.605
TWP 2 RGE 22 W3	UPPER SHAUNAVON	1	1.050	1.050
TWP 6 RGE 22 W3	SOURIS RIVER	1	0.100	0.100
	DAWSON BAY	1	0.090	0.090
TWP 6 RGE 22 W3	STONEWALL	1	0.060	0.060
	RED RIVER	1	0.060	0.060
	DEADWOOD	1	1.300	1.300
TWP 7 RGE 22 W3	UPPER SHAUNAVON	1	0.435	0.435
TWP 9 RGE 22 W3	LOWER SHAUNAVON	1	1.080	1.080
TWP 10 RGE 22 W3	VIKING	1	0.530	0.530
	UPPER SHAUNAVON	1	0.745	0.745
TWP 11 RGE 22 W3	UPPER-LOWER SHAUNAVON	1	0.699	0.699
TWP 13 RGE 22 W3	UPPER SHAUNAVON	2	0.510 - 0.570	0.540
TWP 14 RGE 22 W3	UPPER SHAUNAVON	3	0.480 - 0.620	0.544
TWP 16 RGE 22 W3	BLAIRMORE	1	0.760	0.760
TWP 20 RGE 22 W3	VIKING	1	0.590	0.590
TWP 22 RGE 22 W3	LOWER SHAUNAVON-GRAVELBOURG	1	0.678	0.678
TWP 23 RGE 22 W3	VIKING	1	0.460	0.460
TWP 24 RGE 22 W3	BAKKEN	1	0.430	0.430
TWP 26 RGE 22 W3	VIKING	1	0.440	0.440
	BLAIRMORE	1	0.680	0.680
TWP 28 RGE 22 W3	VIKING	1	0.395	0.395
TWP 30 RGE 22 W3	VIKING	5	0.460 - 0.479	0.468
TWP 31 RGE 22 W3	RIBSTONE CREEK	1	1.740	1.740
TWP 32 RGE 22 W3	SPINNEY HILL-BLAIRMORE	1	0.600	0.600
	BAKKEN	1	0.580	0.580
TWP 33 RGE 22 W3	BLAIRMORE	1	0.555	0.555
	DUPEROW	1	0.220	0.220
TWP 43 RGE 22 W3	DUPEROW	1	0.230	0.230
	WINNIPEGOSIS	1	0.055	0.055
TWP 45 RGE 22 W3	WINNIPEGOSIS	1	0.050	0.050
TWP 60 RGE 22 W3	SOURIS RIVER	1	0.395	0.395
TWP 62 RGE 22 W3	SOURIS RIVER	1	0.530	0.530
	WINNIPEGOSIS	1	0.120	0.120
	DEADWOOD	1	0.086	0.086
TWP 65 RGE 22 W3	BLAIRMORE	1	4.300	4.300
TWP 5 RGE 23 W3	UPPER SHAUNAVON	2	0.340 - 0.614	0.477
	LOWER SHAUNAVON	1	0.352	0.352
TWP 7 RGE 23 W3	UPPER SHAUNAVON	1	0.801	0.801
TWP 9 RGE 23 W3	UPPER SHAUNAVON	1	0.690	0.690
TWP 10 RGE 23 W3	UPPER SHAUNAVON	1	0.700	0.700
TWP 12 RGE 23 W3	VIKING	3	0.560 - 0.710	0.613
	CANTUAR	1	0.720	0.720
	UPPER SHAUNAVON	2	0.600 - 0.720	0.660
TWP 13 RGE 23 W3	UPPER SHAUNAVON	2	0.590 - 0.710	0.650
TWP 14 RGE 23 W3	UPPER SHAUNAVON	1	0.780	0.780
TWP 16 RGE 23 W3	MADISON (UNDIFF)	1	0.780	0.780
TWP 17 RGE 23 W3	SHAUNAVON	1	0.680	0.680

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 17 RGE 23 W3	MADISON (UNDIFF)	1	0.720	0.720
TWP 21 RGE 23 W3	VIKING	1	0.680	0.680
TWP 26 RGE 23 W3	VIKING	1	0.570	0.570
TWP 27 RGE 23 W3	VIKING	2	0.358 - 0.580	0.469
TWP 29 RGE 23 W3	BELLY RIVER	1	2.870	2.870
TWP 30 RGE 23 W3	BAKKEN	1	0.480	0.480
	BAKKEN-BIG VALLEY	1	0.356	0.356
	BIRDBEAR	1	0.280	0.280
TWP 31 RGE 23 W3	BELLY RIVER	1	5.377	5.377
	VIKING	1	0.480	0.480
	BAKKEN	2	0.377 - 0.444	0.411
	BIRDBEAR	1	0.370	0.370
TWP 43 RGE 23 W3	DUPEROW	1	0.205	0.205
TWP 44 RGE 23 W3	MCLAREN	1	0.470	0.470
TWP 45 RGE 23 W3	WINNIPEGOSIS	1	0.055	0.055
TWP 49 RGE 23 W3	WASECA	7	0.080 - 0.130	0.104
TWP 56 RGE 23 W3	SOURIS RIVER	1	0.500	0.500
	WINNIPEGOSIS	1	0.120	0.120
	DEADWOOD	1	0.068	0.068
TWP 58 RGE 23 W3	SPARKY	1	1.110	1.110
TWP 59 RGE 23 W3	SOURIS RIVER	1	0.725	0.725
	WINNIPEGOSIS	1	0.200	0.200
TWP 66 RGE 23 W3	SOURIS RIVER	2	0.062 - 0.084	0.073
	WINNIPEGOSIS	1	0.065	0.065
TWP 1 RGE 24 W3	UPPER SHAUNAVON	1	1.280	1.280
	MADISON (UNDIFF)	1	1.338	1.338
TWP 2 RGE 24 W3	VIKING	1	0.720	0.720
	BLAIRMORE	1	1.330	1.330
	UPPER SHAUNAVON	5	1.120 - 1.560	1.384
	UPPER-LOWER SHAUNAVON	1	2.130	2.130
	MADISON (UNDIFF)	1	1.430	1.430
TWP 4 RGE 24 W3	UPPER SHAUNAVON	1	0.740	0.740
TWP 7 RGE 24 W3	UPPER-LOWER SHAUNAVON	1	1.039	1.039
TWP 8 RGE 24 W3	UPPER-LOWER SHAUNAVON	1	0.565	0.565
TWP 14 RGE 24 W3	UPPER SHAUNAVON	1	0.840	0.840
TWP 15 RGE 24 W3	VIKING	1	0.660	0.660
	BLAIRMORE	1	0.880	0.880
TWP 20 RGE 24 W3	DUPEROW	1	0.177	0.177
TWP 21 RGE 24 W3	VIKING	1	0.699	0.699
	UPPER-LOWER SHAUNAVON	1	0.400	0.400
	GRAVELBOURG	2	0.350 - 0.811	0.581
TWP 23 RGE 24 W3	VIKING	3	0.505 - 0.565	0.525
TWP 27 RGE 24 W3	BLAIRMORE	1	0.565	0.565
TWP 29 RGE 24 W3	VIKING	1	0.370	0.370
TWP 30 RGE 24 W3	VIKING	1	0.630	0.630
TWP 32 RGE 24 W3	BLAIRMORE	1	0.320	0.320
	BAKKEN	3	0.287 - 0.365	0.342
TWP 33 RGE 24 W3	BLAIRMORE	1	0.370	0.370
TWP 34 RGE 24 W3	BIRDBEAR	1	0.320	0.320
TWP 39 RGE 24 W3	BIRDBEAR	1	0.385	0.385
TWP 44 RGE 24 W3	WINNIPEGOSIS	1	0.046	0.046
TWP 51 RGE 24 W3	DEADWOOD	1	0.048	0.048
TWP 59 RGE 24 W3	BLAIRMORE	1	1.600	1.600
TWP 1 RGE 25 W3	BIRDBEAR	1	1.120	1.120
	DUPEROW	2	1.140 - 1.530	1.335
TWP 5 RGE 25 W3	DUPEROW	1	0.940	0.940
	SOURIS RIVER	1	1.330	1.330
TWP 6 RGE 25 W3	UPPER SHAUNAVON	1	1.100	1.100
TWP 8 RGE 25 W3	UPPER-LOWER SHAUNAVON	1	0.796	0.796
TWP 9 RGE 25 W3	UPPER SHAUNAVON	1	0.910	0.910
TWP 12 RGE 25 W3	UPPER SHAUNAVON	1	0.940	0.940
	LOWER SHAUNAVON	1	0.920	0.920
TWP 13 RGE 25 W3	VIKING	1	0.980	0.980
	ROSERAY	1	0.970	0.970
	LOWER SHAUNAVON	1	1.440	1.440
	MADISON (UNDIFF)	1	0.700	0.700
TWP 22 RGE 25 W3	DUPEROW	1	0.050	0.050
TWP 24 RGE 25 W3	VIKING	5	0.510 - 0.768	0.622
TWP 25 RGE 25 W3	BAKKEN	1	0.610	0.610
TWP 27 RGE 25 W3	VIKING	1	0.400	0.400
	BIRDBEAR	1	0.230	0.230
TWP 29 RGE 25 W3	BIRDBEAR	1	0.462	0.462
TWP 30 RGE 25 W3	BELLY RIVER	1	2.710	2.710
TWP 31 RGE 25 W3	LEA PARK	2	3.800 - 3.920	3.860
	VIKING	7	0.500 - 0.600	0.524
TWP 33 RGE 25 W3	BAKKEN	1	0.540	0.540
TWP 38 RGE 25 W3	BLAIRMORE	1	0.365	0.365
TWP 48 RGE 25 W3	SPARKY	1	0.092	0.092
TWP 53 RGE 25 W3	ST. WALBURG	1	0.172	0.172
	COLONY	1	0.160	0.160
	SPARKY	1	0.212	0.212
TWP 54 RGE 25 W3	COLONY-MCLAREN	1	0.288	0.288
	REX	1	0.294	0.294
TWP 62 RGE 25 W3	SOURIS RIVER	1	0.740	0.740
	WINNIPEGOSIS	1	0.060	0.060
TWP 63 RGE 25 W3	BLAIRMORE	1	1.220	1.220
TWP 64 RGE 25 W3	BLAIRMORE	1	1.200	1.200
TWP 65 RGE 25 W3	BLAIRMORE	1	3.200	3.200

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 77 RGE 25 W3	DAWSON BAY	1	0,153	0,153
TWP 3 RGE 26 W3	RIBSTONE CREEK	1	1,240	1,240
	UPPER SHAUNAVON	1	1,030	1,030
	MADISON (UNDIFF)	2	0,535 - 1,040	0,788
TWP 5 RGE 26 W3	UPPER SHAUNAVON	1	0,935	0,935
TWP 8 RGE 26 W3	UPPER SHAUNAVON	1	1,229	1,229
	BIRDBEAR	1	2,080	2,080
	DUPEROW	1	0,890	0,890
TWP 9 RGE 26 W3	VIKING	1	0,930	0,930
	UPPER SHAUNAVON	1	1,330	1,330
TWP 10 RGE 26 W3	UPPER-LOWER SHAUNAVON	1	1,210	1,210
TWP 11 RGE 26 W3	VIKING	1	1,200	1,200
	MADISON (UNDIFF)	1	0,950	0,950
TWP 13 RGE 26 W3	UPPER SHAUNAVON	1	1,150	1,150
TWP 17 RGE 26 W3	UPPER SHAUNAVON	1	0,790	0,790
	GRAVELBOURG	1	0,800	0,800
TWP 18 RGE 26 W3	VIKING	1	0,675	0,675
	BLAIRMORE	1	0,830	0,830
	MADISON (UNDIFF)	1	0,870	0,870
TWP 24 RGE 26 W3	VIKING	2	0,320 - 0,455	0,388
TWP 25 RGE 26 W3	VIKING	3	0,450 - 0,525	0,480
TWP 28 RGE 26 W3	BLAIRMORE	1	0,495	0,495
	BIRDBEAR	1	0,257	0,257
TWP 29 RGE 26 W3	VIKING	1	0,343	0,343
	BAKKEN	1	0,380	0,380
	BIRDBEAR	1	0,286	0,286
TWP 30 RGE 26 W3	BAKKEN	2	0,371 - 0,424	0,398
TWP 31 RGE 26 W3	BLAIRMORE	4	0,170 - 0,365	0,298
	BAKKEN	2	0,342 - 0,350	0,346
	BIRDBEAR	1	0,164	0,164
TWP 32 RGE 26 W3	BLAIRMORE	1	0,360	0,360
TWP 37 RGE 26 W3	BLAIRMORE	2	0,280 - 0,365	0,323
TWP 39 RGE 26 W3	BLAIRMORE	1	0,160	0,160
TWP 41 RGE 26 W3	DUPEROW	1	0,152	0,152
TWP 44 RGE 26 W3	SPARKY	1	0,133	0,133
TWP 49 RGE 26 W3	DINA	1	0,180	0,180
TWP 50 RGE 26 W3	RIBSTONE CREEK	1	5,060	5,060
	SPARKY	1	0,094	0,094
TWP 53 RGE 26 W3	COLONY	1	0,200	0,200
TWP 54 RGE 26 W3	BLAIRMORE	2	0,129 - 0,246	0,188
	COLONY	1	0,196	0,196
	DUPEROW	1	0,216	0,216
	SOURIS RIVER	4	0,077 - 0,295	0,220
	SOURIS RIVER-DAWSON BAY	1	0,062	0,062
	WINNIPEGOSIS	1	0,051	0,051
TWP 54 RGE 26 W3	WINNIPEGOSIS-ASHERN-MEADOW LAKE	1	0,051	0,051
	RED RIVER	1	0,051	0,051
	DEADWOOD	2	0,051	0,051
TWP 55 RGE 26 W3	SOURIS RIVER	1	0,160	0,160
TWP 58 RGE 26 W3	SOURIS RIVER	1	0,162	0,162
TWP 62 RGE 26 W3	COLONY	1	0,660	0,660
	CUMMINGS-DINA	1	1,520	1,520
TWP 64 RGE 26 W3	BLAIRMORE	2	4,600 - 5,000	4,800
TWP 65 RGE 26 W3	BLAIRMORE	1	2,040	2,040
	WINNIPEGOSIS	1	0,048	0,048
TWP 79 RGE 26 W3	WINNIPEGOSIS	1	0,179	0,179
TWP 2 RGE 27 W3	MILK RIVER	1	0,523	0,523
	UPPER SHAUNAVON	1	1,550	1,550
	LOWER GRAVELBOURG	1	1,340	1,340
	MADISON (UNDIFF)	2	1,425 - 2,000	1,713
TWP 3 RGE 27 W3	UPPER SHAUNAVON	1	1,030	1,030
	UPPER-LOWER SHAUNAVON	1	1,400	1,400
	MADISON (UNDIFF)	3	0,620 - 1,120	0,850
	DUPEROW	1	0,940	0,940
TWP 5 RGE 27 W3	UPPER SHAUNAVON	2	0,810 - 0,955	0,883
	DUPEROW	2	0,064 - 0,320	0,192
TWP 6 RGE 27 W3	MILK RIVER	2	0,640 - 1,700	1,170
	UPPER SHAUNAVON	1	0,970	0,970
TWP 8 RGE 27 W3	MILK RIVER	2	0,425 - 0,560	0,493
	SECOND WHITE SPECKS	1	0,470	0,470
	GRAVELBOURG-MADISON	1	0,785	0,785
TWP 10 RGE 27 W3	BLAIRMORE	1	0,880	0,880
	UPPER SHAUNAVON	1	1,130	1,130
	MADISON (UNDIFF)	1	0,625	0,625
TWP 11 RGE 27 W3	UPPER SHAUNAVON	1	1,300	1,300
	MADISON (UNDIFF)	1	0,803	0,803
TWP 13 RGE 27 W3	DUPEROW	1	0,069	0,069
	WINNIPEGOSIS	1	0,047	0,047
	STONEWALL-STONY MOUNTAIN	1	0,048	0,048
TWP 14 RGE 27 W3	VIKING	1	0,950	0,950
	LOWER SHAUNAVON	1	0,930	0,930
	DUPEROW	2	0,061 - 0,067	0,064
	WINNIPEGOSIS	1	0,050	0,050
TWP 16 RGE 27 W3	LOWER SHAUNAVON	1	0,860	0,860
TWP 18 RGE 27 W3	LOWER SHAUNAVON	1	0,900	0,900

AREA	FORMATION	NUMBER OF SAMPLES	RANGE OF RESISTIVITIES OHM-METERS	AVERAGE RESISTIVITY OHM-METERS
TWP 18 RGE 27 W3	GRAVELBOURG	1	0.790	0.790
TWP 19 RGE 27 W3	VIKING	1	0.572	0.572
TWP 22 RGE 27 W3	VIKING	1	0.556	0.556
TWP 25 RGE 27 W3	VIKING	3	0.500 - 0.520	0.507
TWP 29 RGE 27 W3	BIRDBEAR	1	0.276	0.276
TWP 30 RGE 27 W3	VIKING	1	0.360	0.360
	DETRITAL	1	0.365	0.365
TWP 31 RGE 27 W3	RIBSTONE CREEK	1	0.871	0.871
	BLAIRMORE	1	0.390	0.390
	BAKKEN	3	0.314 - 0.425	0.351
TWP 32 RGE 27 W3	LEA PARK	1	1.320	1.320
	RIBSTONE CREEK	1	1.920	1.920
	BLAIRMORE	1	0.427	0.427
	BAKKEN	6	0.268 - 0.410	0.323
TWP 39 RGE 27 W3	SPARKY	2	0.148 - 0.154	0.151
TWP 47 RGE 27 W3	SPARKY	1	0.091	0.091
	G.P.	1	0.089	0.089
TWP 48 RGE 27 W3	RIBSTONE CREEK	1	4.000	4.000
TWP 49 RGE 27 W3	SPARKY	1	0.100	0.100
TWP 50 RGE 27 W3	SPARKY	1	0.075	0.075
TWP 51 RGE 27 W3	MCLAREN	1	0.154	0.154
	WINNIPEGOSIS-ASHERN-INTERLAKE	1	0.057	0.057
TWP 53 RGE 27 W3	DUPEROW	1	0.380	0.380
	SOURIS RIVER	1	0.120	0.120
TWP 1 RGE 28 W3	VIKING	1	1.250	1.250
	MADISON (UNDIFF)	1	2.520	2.520
	BIRDBEAR	1	1.080	1.080
TWP 2 RGE 28 W3	GRAVELBOURG	1	1.500	1.500
TWP 4 RGE 28 W3	UPPER-LOWER SHAUNAVON	1	1.040	1.040
TWP 5 RGE 28 W3	VIKING	1	0.920	0.920
	UPPER SHAUNAVON	1	1.000	1.000
TWP 6 RGE 28 W3	VIKING	1	0.938	0.938
	UPPER SHAUNAVON	1	1.580	1.580
	LOWER SHAUNAVON	1	1.200	1.200
TWP 7 RGE 28 W3	UPPER SHAUNAVON	1	1.520	1.520
TWP 10 RGE 28 W3	VIKING	1	1.340	1.340
TWP 11 RGE 28 W3	MEDICINE HAT	1	0.680	0.680
	MADISON (UNDIFF)	1	0.850	0.850
TWP 12 RGE 28 W3	MEDICINE HAT	3	0.530 - 0.570	0.557
TWP 18 RGE 28 W3	DUPEROW	3	0.110 - 0.160	0.135
TWP 18 RGE 28 W3	DEADWOOD	2	0.200 - 0.420	0.310
TWP 19 RGE 28 W3	JURASSIC-MADISON (UNDIFF)	1	0.600	0.600
TWP 22 RGE 28 W3	BAKKEN	1	0.548	0.548
	DUPEROW	1	0.063	0.063
TWP 23 RGE 28 W3	VIKING	1	0.535	0.535
	BAKKEN	1	1.040	1.040
TWP 25 RGE 28 W3	VIKING	2	0.450 - 0.560	0.505
TWP 28 RGE 28 W3	VIKING	1	0.320	0.320
TWP 30 RGE 28 W3	BAKKEN	1	0.425	0.425
TWP 31 RGE 28 W3	BLAIRMORE	1	0.355	0.355
TWP 32 RGE 28 W3	BLAIRMORE	2	0.350 - 0.445	0.398
	BAKKEN	3	0.320 - 0.570	0.407
TWP 33 RGE 28 W3	BLAIRMORE	1	0.400	0.400
	BAKKEN	1	0.336	0.336
TWP 34 RGE 28 W3	BLAIRMORE	2	0.361 - 0.398	0.380
	BAKKEN	1	0.376	0.376
TWP 36 RGE 28 W3	BLAIRMORE	1	0.320	0.320
TWP 38 RGE 28 W3	BLAIRMORE	1	0.260	0.260
TWP 42 RGE 28 W3	BLAIRMORE	1	0.095	0.095
TWP 43 RGE 28 W3	SPARKY	1	0.097	0.097
TWP 44 RGE 28 W3	SPARKY	1	0.147	0.147
TWP 1 RGE 29 W3	VIKING	1	1.580	1.580
	BIRDBEAR	1	1.200	1.200
TWP 2 RGE 29 W3	MADISON (UNDIFF)	1	1.620	1.620
	BIRDBEAR	1	0.850	0.850
TWP 6 RGE 29 W3	MILK RIVER	1	0.730	0.730
	GRAVELBOURG	1	1.280	1.280
TWP 9 RGE 29 W3	VIKING	1	2.350	2.350
	UPPER SHAUNAVON	1	1.550	1.550
	LOWER GRAVELBOURG	1	1.380	1.380
TWP 11 RGE 29 W3	VIKING	2	1.050 - 1.120	1.085
	GRAVELBOURG	1	1.300	1.300
TWP 12 RGE 29 W3	MEDICINE HAT	1	0.462	0.462
TWP 25 RGE 29 W3	VIKING	3	0.380 - 0.410	0.397
	DETRITAL	1	0.560	0.560
	BAKKEN	1	0.465	0.465
TWP 27 RGE 29 W3	VIKING	1	0.280	0.280
TWP 32 RGE 29 W3	BLAIRMORE	1	0.345	0.345
TWP 13 RGE 30 W3	MEDICINE HAT	1	0.520	0.520
	VIKING	1	0.840	0.840

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